

APPENDIX A**EXCLUDED WASTES**

This section presents a partial listing of excluded wastes. This list includes materials excluded from the definition of solid waste in 40 CFR 261.4(a) and solid waste excluded from the definition of hazardous waste in 40 CFR 261.4(b). In addition, it also includes specific solid waste samples that are excluded from the definition of hazardous waste in 40CFR 261.4(d)-(f). Finally, this list includes specific hazardous wastes, as described in 40 CFR 261.4(c), that are exempted from certain RCRA Subtitle C regulations.

AGRICULTURAL WASTE FERTILIZER 40CFR 261.4(B)(2)

Solid waste generated from growing and harvesting of agriculture crops or raising of animals (including production of manure), where the waste is returned to the soil as a fertilizer.

ANALYTICAL SAMPLES 40CFR 261.4(D)

Samples of solid waste, water, soil, or air that are collected for the sole purpose of testing to determine its characteristics of composition are not subject to select parts of RCRA (Parts 261, 262-268, 270, 124, and the Section 3010 notification requirements) provided the sample is transported and stored in a manner consistent with '261.4(d).

ARSENIC TREATED WOOD & WOOD PRODUCTS 40CFR 261.4(B)(9)

Solid waste consisting of discarded arsenical-treated wood or wood products that fail the Toxicity Characteristic for EPA hazardous waste codes D004 through D017, are not considered hazardous for any other reason, and are generated by persons who utilize the arsenical-treated wood and wood products for the materials intended end uses. Also, spent wood preserving solutions that are reclaimed and reused for their original intended purpose; and wastewater from the wood preserving processes that have been reclaimed and are used to treat wood.

CEMENT KILN DUST 40CFR 261.4(B)(8)

Cement kiln dust waste, except as provided by 40 CFR 266.112 for facilities that burn or process hazardous waste. Requirements for generators and managers of cement kiln dust, including reporting requirements, are currently being determined by EPA. Contact the RCRA, Superfund & EPCRA Hotline at 1-800-424-9810 for further guidance.

COKING BY-PRODUCTS 40CFR 261.4(A)(10)

EPA hazardous waste codes K060, K087, K141, K142, K143, K144, K145, K147, and K148, and any wastes from coke by-products processes that are hazardous only because they exhibit the Toxicity Characteristic specified in 40 CFR 261.24 when, subsequent to generation, these materials are recycled to coke ovens, to the tar recovery process as a feedstock to produce coal tar, or mixed with coal tar prior to the tar's sale or refining. This exclusion is conditioned on there being no land disposal of the wastes from the point they are generated to the point they are recycled to coke ovens, tar recovery, or refining processes, or are mixed with coal tar.

COMPARABLE / SYNGAS FUELS 40CFR 261.4(A)(16)

Wastes that meet the following comparable/syngas fuel requirements of 40CFR 261.38 are not solid wastes:

(a) Comparable fuel specifications

- the heating value must exceed 5,000 Btu/lbs. (11,500 J/g)
- the viscosity must not exceed 50 cs, as-fired
- Constituent levels must not exceed those outlined in Table 1 of Section 261.38

(B) Synthesis gas fuel specifications

- the Btu value must exceed 100 Btu/Scf
- total halogen content must not exceed 1 ppmv
- total nitrogen (other than diatomic nitrogen) content may not exceed 300 ppmv
- total hydrogen sulfide content must not exceed 200 ppmv
- total content of each Appendix VIII constituent must not exceed 1 ppmv

DOMESTIC SEWAGE 40CFR 261.4(A)(1)

Any untreated sanitary wastes that pass through a sewer system. Any mixture of domestic sewage and other wastes that passes through a sewer system to a publicly owned treatment works (POTW) for treatment.

DREDGED MATERIAL 40CFR 261.4(G)

Dredged material that is subject to the requirements of a permit that has been issued under 404 of the Federal Water Pollution Control (33 U.S.C.1344) or section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972 (33 U.S.C. 1413). Refer to 40 CFR 261.4(g)(1) and (2) for definitions of terms.

DRILLING FLUID 40CFR 261.4(B)(5)

A drilling fluid, produced water, or other waste associated with the exploration for or the development or production of crude oil, natural gas, or geothermal energy.

EXCLUDED SCRAP METAL BEING RECYCLED 40CFR 261.4(A)(13)

“Excluded scrap metal” is processed scrap metal, unprocessed home scrap metal, and unprocessed prompt scrap metal.

EXPORTED WASTES 40CFR 262.56

Hazardous waste that is exported directly to a foreign country is not to be reported in this Hazardous Waste Report. A primary exporter of hazardous waste must complete and submit an Annual Report to the Administrator no later than March 1 of each year, as required under 40CFR 262.56.

FOSSIL FUEL EMISSION CONTROL WASTE 40CFR261.4(B)(4)

Fly ash waste, bottom ash waste, slag waste, or flue gas emission control waste generated primarily from the combustion of coal or other fossil fuels, except as provided in 40 CFR 266.112 for facilities that burn or process hazardous waste.

HOUSEHOLD WASTE **40CFR 261.4(B)(1)(I)-(II)**

Household waste, including household waste that has been collected, transported, stored, treated, disposed, recovered (e.g., refuse-derived fuel), or reused. "Household waste" means any waste material (including garbage, trash, and sanitary wastes in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day use recreation areas).

A resource recovery facility managing municipal solid waste shall not be deemed to be treating, storing, disposing, or otherwise managing hazardous wastes for the purposes of regulation under RCRA if that facility: (1) receives and burns only household wastes (defined above) and commercial or industrial solid waste that does not contain hazardous waste; and (2) does not accept hazardous wastes and the owner or operator of the facility has established contractual requirements or other appropriate notification or inspection procedures to assure that hazardous wastes are neither received nor burned in the facility.

HTMR CONDENSER RESIDUE **40CFR 261.4(A)(11)**

Non-wastewater splash condenser dross residue from the treatment of K061 in high temperature metals recovery units, provided it is shipped in drums (if shipped) and not land disposed before recovery.

IN-SITU MINING MATERIALS **40CFR 261.4(A)(5)**

Material subjected to in situ mining techniques that is not removed from the ground as part of the extraction process.

IRRIGATION RETURN FLOWS **40CFR 261.4(A)(3)** Irrigation return flow.

KRAFT MILL STEAM STRIPPER CONDENSATES **40CFR 261.4(A)(15)**

Condensates derived from the overhead gases from kraft mill steam strippers that are used to comply with 40 CFR 63.446(e) are excluded, but this exclusion applies only to combustion at the mill generating the condensates.

LEACHATE **40CFR 261.4(B)(15)**

Leachate or gas condensate collected from landfills where certain solid wastes have been disposed are excluded, provided that the requirements outlined in '261.4(b)(15)(i)-(v) are met. Specifically, the solid wastes had to have been disposed of prior to the effective date of the new listing for K169-K172 (February 8, 1999), and would have otherwise met one or more of the listing descriptions if these wastes had been generated after the effective date of the listing. In addition, in order to remain exempt from regulation, the leachate or gas condensate derived from these previously-disposed wastes must not be hazardous for any other reason, must be discharged under 307(b) or 402 of the Clean Water Act, and must not be managed in surface impoundments after February 13, 2001.

MINING AND MINERAL PROCESS WASTES **40CFR 261.4(B)(7)**

Solid waste from the extraction, beneficiation, and processing of ores and minerals (including coal, phosphate, rock, and overburden from the mining of uranium ore), except as provided in 40 CFR 266.112 for facilities that burn or process hazardous waste. Details on the specific wastes and activities excluded are provided in '261.4(b)(7).

MINING OVERBURDEN **40CFR 261.4 (B)(3)** Mining overburden returned to the mine site.

NUCLEAR MATERIAL **40CFR 261.4(A)(4)**

Source, special nuclear, or by-product material are defined by the Atomic Energy Act of 1954, as amended by 42 U.S.C. 2011 et seq. from the Atomic Energy Act, as follows:

“Source material” means: (1) uranium, thorium, or any other material, determined by the Commission pursuant to the provisions of Section 2091 of this title, to be source material; or (2) ores containing one or more of the foregoing materials in such concentration as the Commission may by regulation determine from time to time.

“Special nuclear material” means: (1) plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material which the Commission, pursuant to the provisions of Section 2071 of this title, determines to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.

“By-product material” means: (1) any radioactive material (except special nuclear material) yielded in or made radioactive by exposure to radiation incident to the process of producing or utilizing special nuclear material; and (2) the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content.

- ▶ *If the material described by the above exclusion is mixed with a hazardous waste, the material is regulated under RCRA as well as under the Nuclear Regulatory Act and is to be reported in the Hazardous Waste Report.*

OIL FILTERS **40CFR 261.4(B)(13)**

Non-terne plated used oil filters that are not mixed with wastes listed in subpart D of 40 CFR part 261 if these oil filters have been gravity hot-drained using one of the following methods: (1) puncturing the filter anti-drain back valve or the filter dome end and hot-draining; (2) hot-draining and crushing; (3) dismantling and hot-draining or (4) any other equivalent hot-draining method that will remove used oil.

PETROCHEMICAL RECOVERED OIL **40CFR 261.4(A)(18)**

“Petrochemical recovered oil” is oil that has been reclaimed from an associated organic chemical manufacturing facility where the oil is to be inserted into the petroleum refining process (SIC code 2911) along with normal petroleum refinery process streams; provided it (1) is hazardous only because it exhibits the characteristic of ignitability (as defined in Section 261.21) and/or toxicity for benzene (Sec. 261.24, waste code D018); and (2) is not placed on the land, or speculatively accumulated before being recycled into the petroleum refining process. An “associated organic chemical manufacturing facility” is defined in 40 CFR 261.4(a)(18)(ii).

PETROLEUM CONTAMINATED MEDIA AND DEBRIS **40CFR 261.4(B)(10)**

Petroleum-contaminated media and debris that fail the Toxicity Characteristic in 40 CFR 261.24 for EPA hazardous waste codes D018 through D043 only and are subject to the corrective action regulations under 40 CFR Part 280.

PETROLEUM REFINING **40CFR 261.4(A)(12)**

Oil-bearing sludges, byproducts, or spent materials that are generated at a petroleum refinery (SIC code 2911) and are inserted into the petroleum refining process are excluded unless the material is placed on the land, or speculatively accumulated before being recycled are excluded. However, oil-bearing hazardous secondary materials generated elsewhere in the petroleum industry (i.e., from sources other than petroleum refineries) are not excluded under this section.

Additionally, recovered oil (which is oil that has been reclaimed from secondary materials, including wastewater, generated from normal petroleum industry practices, including refining, exploration and production, bulk storage, and transportation incident thereto (SIC codes 1311, 1321, 1381, 1382, 1389, 2911, 4612, 4613, 4922, 4923, 4789, 5171, and 5172) that is inserted into the petroleum refining process is excluded unless the material is placed on the land, or speculatively accumulated before being recycled.

PULPING LIQUOR 40CFR 262.4(A)(6)

Pulping liquor (i.e., black liquor) that is reclaimed in a pulping liquor recovery furnace and then reused in the pulping process, unless it is accumulated speculatively as defined in 40 CFR 261.1(c).

REFRIGERANTS 40CFR 261.4(B)(12)

Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment, including mobile air conditioning systems, mobile refrigeration, and commercial and industrial air conditioning and refrigeration systems that use chlorofluorocarbons as the heat transfer fluid in a refrigeration cycle, provided the refrigerant is reclaimed for further use.

SECONDARY MATERIALS RETURNED TO ORIGINAL PROCESS 40CFR 261.4(A)(8)

Secondary materials that are reclaimed and returned to the original process or processes in which they were generated where they are reused in the production process provided: (1) only tank storage is involved and the entire process through completion of reclamation is closed by being entirely connected with pipes or other comparable enclosed means of conveyance; (2) reclamation does not involve controlled flame combustion (such as occurs in boilers, industrial furnaces, or incinerators); (3) the secondary materials are never accumulated in such tanks for over twelve months without being reclaimed; and (4) the reclaimed material is not used to produce a fuel or to produce products that are used in a manner constituting disposal.

SECONDARY MATERIALS FROM MINERAL PROCESSING 40CFR 261.4(A)(17)

This exclusion applies to secondary materials (e.g., sludges, by-products, and spent materials as defined in Section 261.1) generated within the primary mineral processing industry from which minerals, acids, cyanide, water, or other values are recovered by mineral processing, provided that: the secondary material is legitimately recycled to recover minerals, acids, cyanide, water, or other values; and certain other conditions specified in Section 261.4(a)(17) are met.

SHREDDED CIRCUIT BOARDS BEING RECYCLED 40CFR 261.4(A)(14)

Shredded circuit boards being recycled are excluded, provided they are stored in containers sufficient to prevent a release to the environment prior to recovery and are free of mercury switches, mercury relays, and nickel-cadmium batteries and lithium batteries.

SPENT CAUSTICS FROM PETROLEUM REFINING 40CFR 261.4(A)(19)

Spent caustic solutions from petroleum refining liquid treating processes used as a feedstock to produce cresylic or naphthenic acid are excluded, provided the materials are not placed on the land or accumulated speculatively as defined in Section 261.1(c).

SPENT WOOD PRESERVING SOLUTIONS AND WASTEWATERS 40CFR 261.4(A)(9)

These wastes are excluded, provided they are reused on-site at water borne plants in the production process for their original intended purpose and are managed to prevent release into the environment per the conditions specified in Section 261.4(a)(9).

SULFURIC ACID 40CFR 261.4(A)(7)

Spent sulfuric acid used to produce virgin sulfuric acid, unless it is accumulated speculatively as defined in 40 CFR 261.1(c).

TREATABILITY STUDY SAMPLES 40CFR 261.4(C)

Samples generated or collected to determine if a particular treatment method will be effective on a given waste and what types of waste will remain after treatment is completed are not subject to certain regulations under RCRA (Parts 261-263, Section 3010 notification requirements) provided the generator complies with requirements outlined in 261.4(e)(2).

TREATABILITY STUDIES AT LABORATORIES AND TESTING FACILITIES 40CFR 261.4(F)

Samples undergoing treatability studies at laboratories or testing facilities are not subject to certain regulations under RCRA (Parts 124, 262-266, 268, 270, and Section 3010 notification requirements) provided the laboratory or testing facility complies with the regulations outlined in 261.4(f)(1)-(11).

TRIVALENT CHROMIUM WASTE 40CFR 261.4(B)(6)

A waste that is considered hazardous because it is listed due to the presence of chromium or it has failed the Toxicity Characteristic leaching procedure due only to chromium's presence, if it is shown by the waste generator that: (1) the chromium in the waste is exclusively, or nearly exclusively, trivalent chromium; (2) the waste is generated from an industrial process that uses trivalent chromium exclusively, or nearly exclusively, and the process does not generate hexavalent chromium; and (3) the waste is typically and frequently managed in non-oxidizing environments. Specific waste types that meet the exclusion are listed in 40 CFR 261.4(b)(6)(ii).

USED OIL DISTILLATION BOTTOMS 40CFR 261.4(B)(14)

Used oil re-refining distillation bottoms that are used as feedstock to manufacture asphalt products.

WASTES GENERATED IN STORAGE TANKS, TRANSPORT VEHICLES, PIPELINES, OR MANUFACTURING PROCESS UNITS 40CFR 261.4(C)

Wastes generated in a product or raw material storage tank, transport vehicle or vessel, pipeline, or manufacturing process unit are not subject to certain regulations under RCRA until the waste exits the unit in which it was generated or it remains in the unit 90 days after the unit is no longer used for manufacture, storage, or transportation.

WASTEWATER POINT SOURCE DISCHARGE 40CFR 261.4 (A)(2)

Industrial wastewater discharge subject to regulation under section 402 of the Clean Water Act, as amended. This exclusion applies only to the actual point source discharge. It does not exclude industrial wastewaters while they are being collected, stored, or treated before discharge, nor does it exclude sludges generated by industrial wastewater treatment.

APPENDIX B

DEFINITIONS

This appendix contains definitions of terms helpful for completing the Hazardous Waste Biennial Report. For terms defined in the Code of Federal Regulations (CFR) the appropriate citation is provided.

ACCUMULATION

A site that does not hold RCRA Interim Status or a RCRA permit may accumulate hazardous waste for a short period of time before shipping it off site. The waste must be accumulated in either tanks or containers; it may not be accumulated in surface impoundments.

Generators of more than 1,000 kg (2,200 lbs) of hazardous waste per month may accumulate their waste for up to 90 days before shipping it off site. Generators of 100 kg (220 lbs) to 1,000 kg (2,200 lbs) of hazardous waste per month may accumulate their waste for up to 180 days before shipping it off site. If the nearest treatment, storage, disposal, or recycling facility to which they can send their waste is more than 200 miles away, they may accumulate their waste for 270 days. See 40 CFR 262.34.

ACT OR RCRA

The Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended by the Hazardous and Solid Waste Amendments of 1984, 42 U.S.C. Section 6901 *et seq.*

ACUTE HAZARDOUS WASTE

Any hazardous waste with an EPA hazardous waste code beginning with the letter "P" (40 CFR 261.33(e)) or any of the following "F" codes: F020, F021, F022, F023, F026, and F027 (40 CFR 261.31). These wastes are subject to stringent quantity standards for accumulation and generation (40 CFR 261.5(e)).

AUTHORIZED REPRESENTATIVE

The person responsible for the overall operations of the site or an operational unit (i.e. part of a site), e.g. superintendent or plant manager, or person of equivalent responsibility.

AUTHORIZED STATE

A State that has obtained authorization from EPA to direct its own RCRA program.

BOILER

An enclosed device using controlled flame combustion and having the following characteristics:

1. The unit has physical provisions for recovering and exporting energy in the form of steam, heated fluids, or heated gases;
2. The unit's combustion chamber and primary energy recovery section(s) are of integral design (i.e. they are physically formed into one manufactured or assembled unit);
3. The unit continuously maintains an energy recovery efficiency of at least 60 percent, calculated in terms of the recovered energy compared with the thermal value of the fuel;

4. The unit exports and utilizes at least 75 percent of the recovered energy, calculated on an annual basis (excluding recovered heat used internally in the same unit, for example, to preheat fuel or combustion air or drive fans or feed water pumps); or
5. The unit is one which the Commissioner has determined, on a case-by-case basis, to be a boiler, after considering the standards in 40 CFR 260.32.

BY-PRODUCT MATERIAL

For purposes of the Hazardous Waste Biennial Report, a by-product material is (1) any radioactive material (except special nuclear material) yielded in or made radioactive by exposure to the radiation incident to the process of producing or utilizing special nuclear material; and (2) the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content (defined in the Atomic Energy Act of 1954).

CODE OF FEDERAL REGULATIONS

Codification of the general and permanent rules published in the Federal Register by the Executive departments and agencies of the Federal Government. The Code is divided into 50 titles which represent broad areas subject to Federal regulation. Each title is divided into chapters that usually bear the name of the issuing agency. Each chapter is further subdivided into parts covering specific regulatory areas. The CFR title applicable for the Biennial Report is "40," as in "40 CFR 262.34."

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)

A CESQG is a generator that meets the following criteria:

- (a) In every single month, the site generates no more than 100 kg (220 lbs) of hazardous waste, and no more than 1 kg (2.2 lbs) of acute hazardous waste, and no more than 100 kg (220 lbs) of material from the cleanup spillage of acute hazardous waste; and
- (b) the site accumulates at any time no more than 1,000 kg (2,200 lbs) of hazardous waste, and no more than 1 kg (2.2 lbs) of acute hazardous waste, and no more than 100 kg (220 lbs) of material from the cleanup of a spillage of acute hazardous waste; and
- (c) the site treats or dispose of the hazardous waste in a manner consistent with regulatory provisions.

CONFIDENTIAL BUSINESS INFORMATION (CBI)

Information a facility does not wish to make available to the general public for competitive business reasons. Confidential Business Information (CBI) may be claimed for certain information in your report. A claim may be made in accordance with 329 IAC rule 3.

DELISTED WASTE

Site-specific wastes excluded from reporting under 40 CFR 260.20 and 260.22. A waste at a particular generating site may be excluded by petitioning the Commissioner for a regulatory amendment. These wastes are listed in Appendix IX of 40 CFR Part 261.

DISPOSAL

As defined in 40 CFR 260.10, the discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste or hazardous waste into or on any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including ground waters.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA, also called U.S. EPA, means the United States Environmental Protection Agency. Some State environmental authorities may be called EPA also, as in "Illinois EPA".

EPA (RCRA) IDENTIFICATION NUMBER

The number assigned by the EPA or state to each hazardous waste generator, transporter, and treatment, storage, or disposal site; large quantity handler of universal wastes; used oil transporter, used oil processor/re-refiner, off-specification used oil burner, and used oil fuel marketer.

EXCLUDED WASTES

Wastes exempted from regulation under 40 CFR 261.3 and 261.4. See the appendix for a partial listing.

HAZARDOUS WASTE A hazardous waste as defined in 40 CFR 261.3.

HAZARDOUS WASTE GENERATOR

Any person, by site, whose act or process produces hazardous waste identified in 40 CFR Part 261.

HAZARDOUS WASTE NUMBER OR CODE, EPA

The number (or code) assigned by EPA to each hazardous waste listed in 40 CFR Part 261, Subpart D and to each characteristic identified in 40 CFR Part 261, Subpart C. The codes consist of one letter (D, F, K, P, or U) and three numbers.

HAZARDOUS WASTE STORAGE

The holding of hazardous waste for a temporary period, at the end of which the waste is treated, disposed of, or stored elsewhere.

HAZARDOUS WASTE TRANSPORTER

A person engaged in the off-site transportation of hazardous waste by air, rail, highway, or water.

HAZARDOUS WASTE TREATMENT

Any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such hazardous waste, or so as to recover energy or material resources from the waste, or so as to render such waste nonhazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume. Such term includes any activity or processing designed to change the physical form or composition of hazardous waste so as to render it nonhazardous.

INCINERATION

Burning of certain types of solid, liquid, or gaseous materials; or a treatment technology involving destruction of waste by controlled burning at high temperatures (e.g., burning sludge to remove the water and reduce the remaining residues to a safe, non-burnable ash that can be disposed safely on land, in some waters, or in underground locations).

INDUSTRIAL FURNACE

Any of the following enclosed devices that are integral components of manufacturing processes and that use thermal treatment to accomplish recovery of materials or energy: cement kilns; lime kilns; aggregate kilns; phosphate kilns; coke ovens; blast furnaces; smelting, melting and refining furnaces; titanium dioxide chloride process oxidation reactors; methane reforming furnaces; pulping liquor recovery furnaces; combustion devices used in the recovery of sulfur values from spent sulfuric acid; halogen acid furnaces, as defined under industrial furnace in 40CFR 260.10; and other such devices as the Administrator may add to this list.

INTERIM (PERMIT) STATUS

Period during which the owner/operator of an existing TSD facility is treated as having been issued a RCRA permit even though he/she has not yet received a final determination. An existing facility should have automatically qualified for interim status if the owner/operator filed both timely notification and the first part (Part A) of the RCRA permit application. Interim status continues until a final determination is made to issue or deny the permit. Owners/operators of new facilities cannot by definition qualify for interim status; rather, they need a RCRA permit prior to beginning construction of a hazardous waste management facility.

LARGE QUANTITY GENERATOR (LQG) A generator that meets any of the following criteria:

- (a) The site generated in one or more months 1,000 kg (2,200 lbs) or more of RCRA hazardous waste;
- (b) The site generated in one or more months, or accumulated at any time, 1 kg (2.2 lbs) of RCRA acute hazardous waste;
- (c) The site generated or accumulated at any time more than 100 kg (220 lbs) of spill cleanup material contaminated with RCRA acute hazardous waste.

LARGE QUANTITY HANDLER OF UNIVERSAL WASTE

A universal waste handler (as defined in 40CFR 273.9 who accumulates a total of 5,000 kilograms or more of universal wastes (batteries, pesticides, thermostats, or lamps – calculated collectively) at any time. This designation is retained through the end of the calendar year in which 5000 kilograms or more of universal wastes are accumulated.

MANAGEMENT, OR HAZARDOUS WASTE MANAGEMENT

Systematic control of the collection, source separation, storage, transportation, processing, treatment, recovery, or disposal of hazardous waste (40 CFR 260.10).

MANIFEST, UNIFORM HAZARDOUS WASTE

The shipped document EPA form 8700-22 and, if necessary, Form 8700-22A, originated and signed by a generator in accordance with the instructions included in the appendix to 40 CFR Part 262. The “cradle-to-grave” paperwork must accompany a shipment of hazardous waste as it moves from the generator to the transporter and eventually to the hazardous waste management facility.

MIXED WASTE

Waste that contains both hazardous and source, special nuclear, or by-product material subject to the Atomic Energy Act (AEA), RCRA section 1004(41), 42 U.S. C. 6903 (63 FR 17414; April 9, 1998)

MUNICIPALITY

A city, village, town, borough, county, parish, district, association, Indian tribe or authorized Indian tribal organization, designated and approved management agency under Section 208 of the Clean Water Act, or any other public body created by or under State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes.

OFF-SITE FACILITY

A hazardous waste treatment, storage, disposal, or recycling area located at a place away from the generating site.

OFF-SPECIFICATION USED OIL BURNER

A site where used oil not meeting the specification requirements in 40 CFR 279.11 is burned for energy recovery in devices identified in Section 279.61(a).

OFF-SPECIFICATION USED OIL FUEL

Used oil fuel that does not meet the specification provided under 40 CFR 279.11.

ON-SITE FACILITY

A hazardous waste treatment, storage, disposal, or recycling area located on the generating site.

ON-SPECIFICATION USED OIL FUEL

Used oil fuel that meets the specification provided under 40CFR 279.11.

OPERATOR The person responsible for the overall operation of a site

OWNER The person who owns a site or part of a site.

PROCESS SYSTEM

For purposes of the Hazardous Waste Biennial Report, a process system refers to one or more units used together to treat, recover, or dispose of a hazardous waste. The process system begins at the unit where the hazardous waste first enters and consists of all other treatment, recovery, or disposal units downstream from the point of entry. Note that storage is not considered a process system, except for storage at a bulking and re-shipping facility (H141).

Classify each process system with a Management Method code that best identifies the final substantive purpose/operation it performs. For example, a process system to remove dissolved metals from wastewater prior to shipping the sludge off-site typically includes equalization, pH adjustment, chemical precipitation, flocculation, clarification/settling, and dewatering of the sludge removed from the bottom of the clarifier. The chemical precipitation process best identifies the primary purpose of this treatment system - to remove metals from the wastewater. If this wastewater treatment system is RCRA-regulated, it would be reported as H077 (chemical precipitation). If the sludge will be disposed at the reporting site in a landfill, the code will be H132 (landfill) and will need to be reported on a separate GM form because it is a residual from a treatment process. However, this process is exempt if the treated water flows to a POTW or a NPDES outfall with no RCRA-regulated storage or treatment units in the system, and should not be reported. A listing of Management Method codes can be found in the appendix.

PROCESS UNIT

For purposes of the Hazardous Waste Biennial Report, a process unit refers to a single type of treatment (e.g., tank, distillation column, surface impoundment) in which hazardous waste is treated, disposed, or recycled.

RCRA (EPA) IDENTIFICATION NUMBER

The number assigned by the EPA or state to each hazardous waste generator, transporter, and treatment, storage, or disposal site; large quantity handler of universal wastes; used oil transporter, used oil processor/re-refiner, off-specification used oil burner, and used oil fuel marketer.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)

The Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act (RCRA) (40 CFR 270.2). It is the Federal statute that regulates the generation, treatment, storage, disposal, recycling, and/or transportation of solid and hazardous waste.

RCRA INTERIM (PERMIT) STATUS

Period during which the owner/operator of an existing TSD facility is treated as having been issued a RCRA permit even though he/she has not yet received a final determination. An existing facility should have automatically qualified for interim status if the owner/operator filed both timely notification and the first part (Part A) of the RCRA permit application. Interim status continues until a final determination is made to issue or deny the permit. Owners/operators of new facilities cannot by definition qualify for interim status; rather, they need a RCRA permit prior to beginning construction of a hazardous waste management facility.

RCRA PERMIT

A complete RCRA permit is comprised of an operating permit for hazardous waste treatment, storage, and disposal, and a corrective action permit addressing releases from solid waste management units (SWMUs). To apply for a permit, a site must file a two-part application (Part A and Part B). A facility is not considered to have a complete RCRA permit until both parts have been issued.

RECYCLING

Use, reuse, or reclamation of a material (40 CFR 261.1(c)(7)). "Reclamation" is the processing or regeneration of a material to recover a usable product (e.g., recovery of lead values from spent batteries, regeneration of spent solvents) (40 CFR 261.1(c)(4)). A material is used or reused if it is either: (1) employed as an ingredient (including use as an intermediate) in an industrial process to make a product (e.g., distillation bottoms from one process used as feedstock in another process) (40 CFR 261.1(c)(5)). However, a material will not satisfy this condition if distinct components of the material are recovered as separate end products (as when metals are recovered from metal-containing secondary materials); or (2) employed in a particular function or application as an effective substitute for a commercial product (e.g., spent pickle liquor used as phosphorous precipitant and sludge conditioner in wastewater treatment).

RESIDUAL

A hazardous waste derived from the treatment, disposal, or recycling of a previously existing hazardous waste (e.g., the sludge remaining after initial wastewater treatment).

SITE

The physical plant or location at which one or more of the following regulated waste activities occurs: the generation, transportation, treatment, storage, or disposal of hazardous wastes; the storage of hazardous wastes before they are recycled; the accumulation of 5000 kg or more of universal wastes; and the transportation (and temporary storage during transportation), processing/re-refining, burning, or marketing of used oil. A site may consist of several treatment, storage, or disposal operational units. (For entities that only transport regulated wastes, the term site refers to the headquarters of that entity's operations.)

SLUDGE

Any solid, semi-solid, or liquid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility exclusive of the treated effluent from a wastewater treatment plant (40 CFR 260.10).

SMALL QUANTITY GENERATOR (SQG) A generator that meets all of the following criteria:

- (a) In one or more months of the year the site generated more than 100 kg (220 lbs) of hazardous waste, but in no month did the site generate: (1) 1,000 kg (2,200 lbs) or more of hazardous waste, or (2) 1 kg (2.2 lbs) or more of acute hazardous waste, or (3) 100 kg (220 lbs) or more of material from the cleanup of a spillage of acute hazardous waste; and
- (b) the site accumulated at any time during the year no more than 1 kg (2.2 lbs) of acute hazardous waste and no more than 100 kg (220 lbs) of material from the cleanup of a spillage of acute hazardous waste; and
- (c) the site stored its wastes in tanks or containers in a manner consistent with regulatory provisions.

OR, the site is a Small Quantity Generator if during the year:

- (a) The site met all other criteria for a Conditionally Exempt Small Quantity Generator (CESQG), but
- (b) the site accumulated 1,000 kg (2,200 lbs) or more of hazardous waste.

SMALL QUANTITY ON-SITE BURNER EXEMPTION

Persons who burn small quantities of hazardous waste in an on-site boiler or industrial furnace, in accordance with 40CFR 266.108, are conditionally exempt from regulation for that activity.

SOLID WASTE

Any garbage, refuse, or sludge, or other materials not excluded under 40 CFR 261.4(a). Exclusions include domestic sewage and any mixture of other wastes that pass through a sewer system to a publicly owned treatment works (POTWs); industrial wastewater discharges that are point source discharges subject to regulation under the Clean Water Act; irrigation return flows; nuclear materials defined by the Atomic Energy Act; and in situ mining materials (see also page 25). Wastewaters being collected, stored, or treated before discharge and sludges generated by wastewater treatment are not excluded. EPA defines hazardous waste as a subset of solid waste.

SOURCE MATERIAL

As defined by the Atomic Energy Act of 1954: (1) Uranium, thorium, or any other material determined by the Commission pursuant to the provisions of Section 2091 of this title to be source material; or (2) ores containing one or more of the foregoing materials in such concentration as the Commission may by regulation determine from time to time.

SPECIAL NUCLEAR MATERIAL

As defined by the Atomic Energy Act of 1954: (1) plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material which the Commission, pursuant to the provisions of Section 2071 of this title, determines to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.

SUPERFUND

The program operated under the legislative authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Superfund Amendment Reauthorization Act (SARA) that funds and carries out the solid waste emergency response and long-term remedial activities of EPA.

SURFACE IMPOUNDMENT

A natural topographic depression, man-made excavation, or diked area formed primarily from earthen materials (though it may be lined with man-made materials) that is designed to accumulate liquid wastes or wastes containing free liquids, and that is not an injection well (40 CFR 260.10).

TRANSFER FACILITY

Any transportation related facility including loading docks, parking areas, storage areas, and other similar areas where shipments of hazardous waste are held during the normal course of transportation (40 CFR 260.10).

UNDERGROUND INJECTION CONTROL

The subsurface emplacement of fluids through a bored, drilled, or driven well; or through a dug well, where the depth of the dug well is greater than the largest surface dimension. Underground injection wells are regulated under both the Safe Drinking Water Act and the Resource Conservation and Recovery Act (see 40 CFR Part 148).

UNIT

For purposes of the Hazardous Waste Biennial Report, a process unit refers to a single type of treatment (e.g., tank, distillation column, surface impoundment) in which hazardous waste is treated, disposed, or recycled.

UNITED STATES IMPORTER

Any person who imports hazardous waste from a foreign country into the United States. This does not include hazardous waste shipped from a foreign Department of Defense site, Maquiladora, United States territory or protectorate.

UNIVERSAL WASTE

Any of the following hazardous wastes that are managed under the universal waste requirements of 40 CFR part 273: batteries, as described in 40 CFR 273.2; pesticides, as described in 40 CFR 273.3; and thermostats, as described in 40 CFR 273.4 or mercury containing lamps as described in 329 IAC 3.1-16.

USED OIL

Any oil that has been refined from crude oil, or any synthetic oil, that has been used, and as a result of such use, is contaminated by physical or chemical impurities.

USED OIL FUEL MARKETER

Any person who conducts either of the following activities:

- a) Directs a shipment of off-specification used oil from their site to an off-specification used oil burner; or
- b) first claims that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in 40CFR 279.11.

USED OIL MANAGEMENT ACTIVITIES

For the purposes of the Handler ID form, includes used oil transportation; used oil processing and re-refining; burning off-specification used oil fuel; and used oil marketing.

USED OIL PROCESSING

Chemical or physical operations designed to produce from used oil, or to make used oil more amenable for production of, fuel oils, lubricants, or other used oil-derived products. Processing includes, but is not limited to: blending used oil with virgin petroleum products, blending used oils to meet the fuel specification, filtration, simple distillation, chemical or physical separation, and re-refining.

USED OIL PROCESSOR A site that processes on- or off-specification used oil.

USED OIL RE-REFINER

A site that produces lubricating oils and greases, industrial fuel, asphalt extender, gasoline, and other products from on-or off specification used oil.

USED OIL TRANSFER FACILITY

Any transportation related facility, including loading docks, parking areas, storage areas, and other areas where shipments of used oil are held for more than 24 hours during the normal course of transportation and not longer than 35 days. Transfer facilities that store used oil for more than 35 days are subject to regulation under 40 CFR 279, Subpart F.

USED OIL TRANSPORTER

Any person who transports used oil, any person who collects used oil from more than one generator and transports the collected oil, and owners and operators of used oil transfer facilities. Used oil transporters may consolidate or aggregate loads of used oil for purposes of transportation but, with the following exception, may not process used oil. Used oil transporters may conduct incidental processing operations that occur in the normal course of used oil transportation (e.g., settling and water separation), but that are not designed to produce (or make more amenable for production of) used oil-derived products or used oil fuel.

APPENDIX C**HAZARDOUS WASTE CODES**

CHARACTERISTIC HAZARDOUS WASTE (40 CFR 261.24)

D001	Ignitable waste	D016	2,4-D	D031	Heptachlor (and its epoxide)
D002	Corrosive waste	D017	2,4,5-TP Silvex	D032	Hexachlorobenzene
D003	Reactive waste	D018	Benzene	D033	Hexachlorobutadiene
D004	Arsenic	D019	Carbon tetrachloride	D034	Hexachloroethane
D005	Barium	D020	Chlordane	D035	Methyl ethyl ketone
D006	Cadmium	D021	Chlorobenzene	D036	Nitrobenzene
D007	Chromium	D022	Chloroform	D037	Pentachlorophenol
D008	Lead	D023	o-Cresol	D038	Pyridine
D009	Mercury	D024	m-Cresol	D039	Tetrachloroethylene
D010	Selenium	D025	p-Cresol	D040	Trichlorethylene
D011	Silver	D026	Cresol	D041	2,4,5-Trichlorophenol
D012	Endrin	D027	1,4-Dichlorobenzene	D042	2,4,6-Trichlorophenol
D013	Lindane	D028	1,2-Dichloroethane	D043	Vinyl chloride
D014	Methoxychlor	D029	1,1-Dichloroethylene		
D015	Toxaphene	D030	2,4-Dinitrotoluene		

HAZARDOUS WASTE FROM NON-SPECIFIC SOURCES (40 CFR 261.31)

- F001 The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
- F002 The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
- F003 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent nonhalogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above nonhalogenated solvents, and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
- F004 The following spent nonhalogenated solvents: cresols, cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

- F005 The following spent nonhalogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
- F006 WASTEWATER TREATMENT SLUDGES from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
- F007 Spent cyanide plating bath solutions from electroplating operations
- F008 Plating bath residues from the bottom of plating baths from electroplating operations in which cyanides are used in the process.
- F009 Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process.
- F010 Quenching bath residues from oil baths from metal heat treating operations in which cyanides are used.
- F011 Spent cyanide solutions from slat bath pot cleaning from metal heat treating operations
- F012 Quenching wastewater treatment sludges from metal heat treating operations in which cyanides are used in the process.
- F019 Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.
- F020 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
- F021 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce derivatives.
- F022 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.
- F023 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
- F024 Process wastes including, but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludge, spent catalysts, and wastes listed in Sections 261.31. or 261.32.)

- F025 Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one, to and including five, with varying amounts and positions of chlorine substitution.
- F026 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.
- F027 Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (Does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)
- F028 Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027.
- F032 Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use, or have previously used, chlorophenolic formulations [except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with Section 261.35 (i.e., the newly promulgated equipment cleaning or replacement standards), and where the generator does not resume or initiate use of chlorophenolic formulations]. (Does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.)
- F034 Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
- F035 Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol
- F037 Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and storm water units receiving dry weather flow. Sludges generated in storm water units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2)(including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and K051 wastes are exempted from this listing.
- F038 Petroleum refinery secondary (emulsified) oil/water/solids separation sludge - Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and F037, K048, and K051 wastes are exempted from this listing.
- F039 Leachate resulting from the treatment, storage, or disposal of wastes classified by more than one waste code under Subpart D, or from a mixture of wastes classified under Subparts C and D of this part. (Leachate resulting from the management of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its hazardous waste code(s): F020, F021, F022, F023, F026, F027, and/or F028.)

HAZARDOUS WASTE FROM SPECIFIC SOURCES (40 CFR 261.32)

K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.
K003	Wastewater treatment sludge from the production of molybdate orange pigments.
K004	Wastewater treatment sludge from the production of zinc yellow pigments.
K005	Wastewater treatment sludge from the production of chrome green pigments.
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
K007	Wastewater treatment sludge from the production of iron blue pigments.
K008	Oven residue from the production of chrome oxide green pigments.
K009	Distillation bottoms from the production of acetaldehyde from ethylene
K010	Distillation side cuts from the production of acetaldehyde from ethylene.
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile
K015	Still bottoms from the distillation of benzyl chloride.
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrine
K018	Heavy ends from the fractionation column in ethyl chloride production
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
K021	Aqueous spent antimony catalyst waste from fluoromethane production.
K022	Distillation bottom tars from the production of phenol/acetone from cumene.
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K026	Stripping still tails from the production of methyl ethyl pyridines.
K027	Centrifuge and distillation residues from toluene diisocyanate production.
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene
K031	By-product salts generated in the production of MSMA and cacodylic acid.
K032	Wastewater treatment sludge from the production of chlordane.
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
K035	Wastewater treatment sludges generated in the production of creosote
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton
K037	Wastewater treatment sludges from the production of disulfoton
K038	Wastewater from the washing and stripping of phorate production.
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate
K040	Wastewater treatment sludge from the production of phorate
K041	Wastewater treatment sludge from the production of toxaphene
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T
K043	2,6-dichlorophenol waste from the production of 2,4-D.
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.
K045	Spent carbon from the treatment of wastewater containing explosives
K046	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.
K047	Pink/red water from TNT operations.
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.
K049	Slop oil emulsion solids from the petroleum refining industry.
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
K051	API separator sludge from the petroleum refining industry

- K052 Tank bottoms (leaded) from the petroleum refining industry.
- K060 Ammonia still lime sludge from coking operations.
- K061 Emission control dust/sludge from the primary production of steel in electric furnaces.
- K062 Spent pickle liquor from steel finishing operations of plants that produce iron or steel.
- K064 Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper
- K065 Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.
- K066 Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.
- K069 Emission control dust/sludge from secondary lead smelting.
- K071 Brine purification muds from the mercury cell process in chlorine production, in which separately prepurified brine is not used.
- K073 Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production
- K083 Distillation bottoms from aniline production.
- K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
- K085 Distillation or fractionation column bottoms from the production of chlorobenzenes.
- K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs
- K087 Decanter tank tar sludge from coking operations.
- K088 Spent potliners from primary aluminum reduction.
- K090 Emission control dust or sludge from ferrochromiumsilicon production and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
- K091 Emission control dust or sludge from ferrochromium production.
- K093 Distillation light ends from the production of phthalic anhydride from ortho-xylene.
- K094 Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
- K095 Distillation bottoms from the production of 1,1,1-trichloroethane.
- K096 Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.
- K097 Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
- K098 Untreated process wastewater from the production of toxaphene.
- K099 Untreated wastewater from the production of 2,4-D.
- K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.
- K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
- K102 Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
- K103 Process residues from aniline extraction from the production of aniline.
- K104 Combined wastewaters generated from nitrobenzene/aniline production.
- K105 Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
- K106 Wastewater treatment sludge from the mercury cell process in chlorine production.
- K107 Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides
- K108 Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides
- K109 Spent filter cartridges from product purification from the product of 1,1-dimethylhydrazine from carboxylic acid hydrazides
- K110 Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
- K111 Product washwaters from the production of dinitrotoluene via nitration of toluene.
- K112 Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
- K113 Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene
- K114 Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
- K115 Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

- K116 Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
- K117 Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.
- K118 Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
- K123 Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.
- K124 Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.
- K125 Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.
- K126 Baghouse dust and floor sweepings in milling and packaging operations from production or formulation of ethylenebisdithiocarbamic acid and its salts.
- K131 Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide
- K132 Spent absorbent and wastewater separator solids from the production of methyl bromide.
- K136 Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
- K140 Floor sweepings, off-specification product, and spent filter media from the production of 2,4,6-tribromophenol.
- K141 Process residues from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank sludge from coking operations).
- K142 Tank storage residues from the production of coke from coal or from the recovery of coke by-products from coal.
- K143 Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.
- K144 Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.
- K145 Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.
- K147 Tar storage residues from coal tar refining.
- K148 Residues from coal tar distillation, including, but not limited to, still bottoms.
- K149 Distillation bottoms from the production of alpha (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzoyl chloride]
- K150 Organic residuals excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups
- K151 Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups
- K156 Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
- K157 Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to waste generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
- K158 Bag house and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
- K159 Organics from the treatment of thiocarbamate wastes.
- K161 Purification solids (including filtration, evaporation, and centrifugation solids), baghouse dust and floor sweepings from the production of dithiocarbamate acids and their salts. (Does not include K125 or K126).
- K169 Crude oil tank sediment from petroleum refining operations.
- K170 Clarified slurry oil sediment from petroleum refining operations.

- K171 Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).
- K172 spend hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).
- K174 Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g. contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met. *
- K175 Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.*

* The EPA updated this list of hazardous waste codes as of November 2000. The EPA anticipates promulgating two listings for wastes generated by the chlorinated aliphatics industry (K174 and K175) later this fall. The effective date of the listings will be six months after promulgation. For purposes of the 2001 Hazardous Waste Biennial Report, you should report only K174 and K175 hazardous wastes that you generated after the effective date of the rule.

**DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES,
CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF - ACUTE HAZARDOUS WASTE**
(See 40 CFR 261.33 for an alphabetized listing).

P001	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%	P024	Benzenamine, 4-chloro-
P001	Warfarin, & salts, when present at concentrations greater than 0.3%	P024	p-Chloraniline
P002	1-Acetyl-2-thiourea	P026	1-(o-Chlorophenyl)thiourea
P002	Acetamide, N-(aminothioxomethyl)-	P026	Thiourea, (2-chlorophenyl)-
P003	2-Propenal	P027	3-Chloropropionitrile
P003	Acrolein	P027	Propanenitrile, 3-chloro-
P004	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-	P028	Benzene, (chloromethyl)-
P004	Aldrin	P028	Benzyl chloride
P005	2-Propen-1-ol	P029	Copper cyanide
P005	Allyl alcohol	P029	Copper cyanide Cu(CN)
P006	Aluminum phosphide (R,T)	P030	Cyanides (soluble cyanide salts), not otherwise specified
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-	P031	Cyanogen
P007	5-(Aminomethyl)-3-isoxazolol	P031	Ethanedinitrile
P008	4-Aminopyridine	P033	Cyanogen chloride
P008	4-Pyridinamine	P033	Cyanogen chloride (CN)Cl
P009	Ammonium picrate (R)	P034	2-Cyclohexyl-4,6-dinitrophenol
P009	Phenol, 2,4,6-trinitro-, ammonium salt (R)	P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P010	Arsenic acid H ₃ AsO ₄	P036	Arsonous dichloride, phenyl-
P011	Arsenic oxide As ₂ O ₅	P036	Dichlorophenylarsine
P011	Arsenic pentoxide	P037	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha, 2beta, 2alpha, 3beta, 6beta, 6alpha, 7beta, 7alpha)-
P012	Arsenic oxide As ₂ O ₃	P037	Dieldrin
P012	Arsenic trioxide	P038	Arsine, diethyl-
P013	Barium cyanide	P038	Diethylarsine
P014	Benzenethiol	P039	Disulfoton
P014	Thiophenol	P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P015	Beryllium powder	P040	O,O-Diethyl O-pyrazinyl phosphorothioate
P016	Dichloromethyl ether	P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P016	Methane, oxybis[chloro-	P041	Diethyl-p-nitrophenyl phosphate
P017	2-Propanone, 1-bromo-	P041	Phosphoric acid, diethyl 4-nitrophenyl ester
P017	Bromoacetone	P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-
P018	Brucine	P042	Epinephrine
P018	Strychnidin-10-one, 2,3-dimethoxy-	P043	Diisopropylfluorophosphate (DFP)
P020	Dinoseb	P043	Phosphorofluoridic acid, bis(1-methylethyl) ester
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-	P044	Dimethoate
P021	Calcium cyanide	P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester
P021	Calcium cyanide Ca(CN) ₂	P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino]carbonyl oxime
P022	Carbon disulfide	P045	Thiofanox
P023	Acetaldehyde, chloro-		
P023	Chloroacetaldehyde		

P046	alpha,alpha-Dimethylphenethylamine	P069	2-Methylactonitrile
P046	Benzeneethanamine, alpha, alpha-dimethyl-	P069	Propanenitrile, 2-hydroxy-2-methyl-
P047	4,6-Dinitro-o-cresol, & salts	P070	Aldicarb
P047	Phenol, 2-methyl-4,6-dinitro-, & salts	P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P048	2,4-Dinitrophenol	P071	Methyl parathion
P048	Phenol, 2,4-dinitro-	P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P049	Dithiobiuret	P072	alpha-Naphthylthiourea
P049	Thioimidodicarbonic diamide [(H2N)C(S)]2NH	P072	Thiourea, 1-naphthalenyl-
P050	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-,3-oxide	P073	Nickel carbonyl
P050	Endosulfan	P073	Nickel carbonyl Ni(CO)4, (T-4)-
P051	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & metabolites	P074	Nickel cyanide
P051	Endrin	P074	Nickel cyanide Ni(CN)2
P051	Endrin, & metabolites	P075	Nicotine, & salts
P054	Aziridine	P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-, & salts
P054	Ethyleneimine	P076	Nitric oxide
P056	Fluorine	P076	Nitrogen oxide NO
P057	Acetamide, 2-fluoro-	P077	Benzenamine, 4-nitro-
P057	Fluoroacetamide	P077	p-Nitroaniline
P058	Acetic acid, fluoro-, sodium salt	P078	Nitrogen dioxide
P058	Fluoroacetic acid, sodium salt	P078	Nitrogen oxide NO2
P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	P081	1,2,3-Propanetriol, trinitrate (R)
P059	Heptachlor	P081	Nitroglycerine (R)
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-	P082	Methanimine, N-methyl-N-nitroso-
P060	Isodrin	P082	N-Nitrosodimethylamine
P062	Hexaethyl tetraphosphate	P084	N-Nitrosomethylvinylamine
P062	Tetraphosphoric acid, hexaethyl ester	P084	Vinylamine, N-methyl-N-nitroso-
P063	Hydrocyanic acid	P085	Diphosphoramidate, octamethyl-
P063	Hydrogen cyanide	P085	Octamethylpyrophosphoramidate
P064	Methane, isocyanato-	P087	Osmium oxide OsO4, (T-4)-
P064	Methyl isocyanate	P087	Osmium tetroxide
P065	Fulminic acid, mercury(2+) salt (R,T)	P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P065	Mercury fulminate (R,T)	P088	Endothall
P066	Ethanimidothioic acid, N-[[[(methylamino)carbonyl]oxy]-, methyl ester	P089	Parathion
P066	Methomyl	P089	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
P067	1,2-Propylenimine	P092	Mercury, (acetato-O)phenyl-
P067	Aziridine, 2-methyl-	P092	Phenylmercury acetate
P068	Hydrazine, methyl-	P093	Phenylthiourea
P068	Methyl hydrazine	P093	Thiourea, phenyl-
		P094	Phorate
		P094	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
		P095	Carbonic dichloride
		P095	Phosgene
		P096	Hydrogen phosphide
		P096	Phosphine
		P097	Famphur
		P097	Phosphorothioic acid O-[4-[(dimethylamino)sulfonyl]phenyl] O,O- dimethyl ester

P098	Potassium cyanide	P188	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1)
P098	Potassium cyanide K(CN)	P189	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl- 7-benzofuranyl ester
P099	Argentate (1-), bis(cyano-C)-, potassium	P189	Carbosulfan.
P099	Potassium silver cyanide	P190	Carbamic acid, methyl-, 3-methylphenyl ester
P101	Ethyl cyanide	P190	Metolcarb
P101	Propanenitrile	P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]- 5-methyl-1H-pyrazol-3-yl ester
P102	2-Propyn-1-ol	P191	Dimetilan
P102	Propargyl alcohol	P192	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H- pyrazol-5-yl ester
P103	Selenourea	P192	Isolan.
P104	Silver cyanide	P194	Oxamyl.
P104	Silver cyanide Ag(CN)	P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester
P105	Sodium azide	P196	Manganese dimethyldithiocarbamate
P106	Sodium cyanide	P196	Manganese, bis(dimethylcarbamodithioato-S,S')
P106	Sodium cyanide Na(CN)	P197	Formparanate
P108	Strychnidin-10-one, & salts	P197	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]-
P108	Strychnine, & salts	P198	Formetanate hydrochloride
P109	Tetraethyldithiopyrophosphate	P198	Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride
P109	Thiodiphosphoric acid, tetraethyl ester	P199	Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate
P110	Plumbane, tetraethyl-	P199	Methiocarb.
P110	Tetraethyl lead	P201	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate
P111	Diphosphoric acid, tetraethyl ester	P201	Promecarb
P111	Tetraethyl pyrophosphate	P202	3-Isopropylphenyl N-methylcarbamate
P112	Methane, tetranitro- (R)	P202	Phenol, 3-(1-methylethyl)-, methyl carbamate
P112	Tetranitromethane (R)	P202	m-Cumenyl methylcarbamate
P113	Thallic oxide	P203	Aldicarb sulfone
P113	Thallium oxide Tl ₂ O ₃	P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime
P114	Selenious acid, dithallium (1+) salt	P204	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-.
P114	Thallium(I) selenite	P204	Physostigmine.
P115	Sulfuric acid, dithallium (1+) salt	P205	Zinc, bis(dimethylcarbamodithioato-S,S')-,
P115	Thallium(I) sulfate	P205	Ziram
P116	Hydrazinecarbothioamide		
P116	Thiosemicarbazide		
P118	Methanethiol, trichloro-		
P118	Trichloromethanethiol		
P119	Ammonium vanadate		
P119	Vanadic acid, ammonium salt		
P120	Vanadium oxide V ₂ O ₅		
P120	Vanadium pentoxide		
P121	Zinc cyanide		
P121	Zinc cyanide Zn(CN) ₂		
P122	Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10% (R,T)		
P123	Toxaphene		
P127	Carbofuran.		
P127	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate.		
P127	Metolcarb.		
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)		
P128	Mexacarbate		
P185	Tirpate		
P185	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O- [(methylamino)-carbonyl]oxime		
P188	Physostigmine salicylate		

**DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES,
CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF - TOXIC WASTES**
(See 40 CFR 261.33 for an alphabetized listing)

*2,3,4,6-Tetrachlorophenol	U020	Benzenesulfonic acid chloride (C,R)
*2,4,5-T	U020	Benzenesulfonyl chloride (C,R)
*2,4,5-Trichlorophenol	U021	[1,1'-Biphenyl]-4,4'-diamine
*2,4,6-Trichlorophenol	U021	Benzidine
*Acetic acid, (2,4,5- trichlorophenoxy)	U022	Benzo[a]pyrene
*Pentachlorophenol	U023	Benzene, (trichloromethyl)-
*Phenol, 2,3,4,6-tetrachloro	U023	Benzotrichloride (C,R,T)
*Phenol, 2,4,5-trichloro-	U024	Dichloromethoxy ethane
*Phenol, 2,4,6-trichloro-	U024	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
*Phenol, pentachloro-	U025	Dichloroethyl ether
*Propanoic acid, 2-(2,4,5- trichlorophenoxy)	U025	Ethane, 1,1'-oxybis[2-chloro-
*Silvex (2,4,5-TP)	U026	Chlornaphazin
U001 Acetaldehyde (I)	U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-
U001 Ethanal (I)	U027	Dichloroisopropyl ether
U002 2-Propanone (I)	U027	Propane, 2,2'-oxybis[2-chloro-
U002 Acetone (I)	U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
U003 Acetonitrile (I,T)	U028	Diethylhexyl phthalate
U004 Acetophenone	U029	Methane, bromo-
U004 Ethanone, 1-phenyl-	U029	Methyl bromide
U005 2-Acetylaminofluorene	U030	4-Bromophenyl phenyl ether
U005 Acetamide, N-9H-fluoren-2-yl	U030	Benzene, 1-bromo-4-phenoxy-
U006 Acetyl chloride (C,R,T)	U031	1-Butanol (I)
U007 2-Propenamide	U031	n-Butyl alcohol (I)
U007 Acrylamide	U032	Calcium chromate
U008 2-Propenoic acid (I)		
U008 Acrylic acid (I)		
U009 2-Propenenitrile	U032	Chromic acid H ₂ CrO ₄ , calcium salt
U009 Acrylonitrile	U033	Carbon oxyfluoride (R,T)
U010 Azirino [2',3':3,4]pyrrolo[1,2-a]indole-4,7- dione, 6-amino-8-[[aminocarbonyl]oxy] methyl]-1,1a,2,8,8a,8b-hexahydro-8a- methoxy-5-methyl-, [1aS-(1aalpha, 8beta, 8aalpha, 8balph)]-	U033	Carbonic difluoride
	U034	Acetaldehyde, trichloro-
	U034	Chloral
U010 Mitomycin C	U035	Benzenebutanoic acid, 4-[bis(2- chloroethyl)amino]-
U011 1H-1,2,4-Triazol-3-amine	U035	Chlorambucil
U011 Amitrole	U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8- octachloro-2,3,3a,4,7,7a-hexahydro-
U012 Aniline (I,T)	U036	Chlordane, alpha & gamma isomers
U012 Benzenamine (I,T)	U037	Benzene, chloro-
U014 Benzenamine, 4,4'-carbonimidoylbis[N,N- dimethyl-	U037	Chlorobenzene
	U038	Benzenoacetic acid, 4-chloro-alpha-(4- chlorophenyl)-alpha-hydroxy-, ethyl ester
U014 Auramine		
U015 Azaserine	U038	Chlorobenzilate
U015 L-Serine, diazoacetate (ester)	U039	p-Chloro-m-cresol
U016 Benz[c]acridine	U039	Phenol, 4-chloro-3-methyl-
U017 Benzal chloride	U041	Epichlorohydrin
U017 Benzene, (dichloromethyl)-	U041	Oxirane, (chloromethyl)-
U018 Benz[a]anthracene		
U019 Benzene (I,T)		

U042	2-Chloroethyl vinyl ether	U069	1,2-Benzenedicarboxylic acid, dibutyl ester
U042	Ethene, (2-chloroethoxy)-	U069	Dibutyl phthalate
U043	Ethene, chloro-	U070	Benzene, 1,2-dichloro-
U043	Vinyl chloride	U070	o-Dichlorobenzene
U044	Chloroform	U071	Benzene, 1,3-dichloro-
U044	Methane, trichloro-	U071	m-Dichlorobenzene
U045	Methane, chloro- (I,T)	U072	Benzene, 1,4-dichloro-
U045	Methyl chloride (I,T)	U072	p-Dichlorobenzene
U046	Chloromethyl methyl ether	U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U046	Methane, chloromethoxy-	U073	3,3'-Dichlorobenzidine
U047	beta-Chloronaphthalene	U074	1,4-Dichloro-2-butene (I,T)
U047	Naphthalene, 2-chloro-	U074	2-Butene, 1,4-dichloro- (I,T)
U048	o-Chlorophenol	U075	Dichlorodifluoromethane
U048	Phenol, 2-chloro-	U075	Methane, dichlorodifluoro-
U049	4-Chloro-o-toluidine, hydrochloride	U076	Ethane, 1,1-dichloro-
U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride	U076	Ethylidene dichloride
U050	Chrysene	U077	Ethane, 1,2-dichloro-
U051	Creosote	U077	Ethylene dichloride
U052	Cresol (Cresylic acid)	U078	1,1-Dichloroethylene
U052	Phenol, methyl-	U078	Ethene, 1,1-dichloro-
U053	Crotonaldehyde	U079	1,2-Dichloroethylene
U053	2-Butenal	U079	Ethene, 1,2-dichloro-, (E)-
U055	Benzene, (1-methylethyl)- (I)	U080	Methane, dichloro-
U055	Cumene (I)	U080	Methylene chloride
U056	Benzene, hexahydro- (I)	U081	2,4-Dichlorophenol
U056	Cyclohexane (I)	U081	Phenol, 2,4-dichloro-
U057	Cyclohexanone (I)	U082	2,6-Dichlorophenol
U058	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide	U082	Phenol, 2,6-dichloro-
U058	Cyclophosphamide	U083	Propane, 1,2-dichloro-
U059	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxohexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	U083	Propylene dichloride
U059	Daunomycin	U084	1,3-Dichloropropene
U060	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	U084	1-Propene, 1,3-dichloro-
U060	DDD	U085	1,2:3,4-Diepoxybutane (I,T)
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	U085	2,2'-Bioxirane
U061	DDT	U086	Hydrazine, 1,2-diethyl-
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	U086	N,N'-Diethylhydrazine
U062	Diallate	U087	O,O-Diethyl S-methyl dithiophosphate
U063	Dibenz[a,h]anthracene	U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U064	Benzo[rs]t]pentaphene	U088	1,2-Benzenedicarboxylic acid, diethyl ester
U064	Dibenzo[a,i]pyrene	U088	Diethyl phthalate
U066	1,2-Dibromo-3-chloropropane	U089	Diethylstilbesterol
U066	Propane, 1,2-dibromo-3-chloro-	U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-
U067	Ethane, 1,2-dibromo-	U090	1,3-Benzodioxole, 5-propyl-
U067	Ethylene dibromide	U090	Dihydrosafrole
U068	Methane, dibromo-	U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
U068	Methylene bromide	U091	3,3'-Dimethoxybenzidine
		U092	Dimethylamine (I)
		U092	Methanamine, N-methyl- (I)

U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-	U121	Methane, trichlorofluoro-
U093	p-Dimethylaminoazobenzene	U121	Trichloromonofluoromethane
U094	7,12-Dimethylbenz[a]anthracene	U122	Formaldehyde
U094	Benz[a]anthracene, 7,12-dimethyl-	U123	Formic acid (C,T)
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	U124	Furan (I)
U095	3,3'-Dimethylbenzidine	U124	Furfuran (I)
U096	alpha, alpha-Dimethylbenzylhydroperoxide (R)	U125	2-Furancarboxaldehyde (I)
U096	Hydroperoxide, 1-methyl-1-phenylethyl- (R)	U125	Furfural (I)
U097	Carbamic chloride, dimethyl-	U126	Glycidylaldehyde
U097	Dimethylcarbamoyle chloride	U126	Oxiranecarboxyaldehyde
U098	1,1-Dimethylhydrazine	U127	Benzene, hexachloro-
U098	Hydrazine, 1,1-dimethyl-	U127	Hexachlorobenzene
U099	1,2-Dimethylhydrazine	U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U099	Hydrazine, 1,2-diphenyl-	U128	Hexachlorobutadiene
U101	2,4-Dimethylphenol	U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-
U101	Phenol, 2,4-dimethyl-	U129	Lindane
U102	1,2-Benzenedicarboxylic acid, dimethyl ester	U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U102	Dimethyl phthalate	U130	Hexachlorocyclopentadiene
U103	Dimethyl sulfate	U131	Ethane, hexachloro-
U103	Sulfuric acid, dimethyl ester	U131	Hexachloroethane
U105	2,4-Dinitrotoluene	U132	Hexachlorophene
U105	Benzene, 1-methyl-2,4-dinitro-	U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U106	2,6-Dinitrotoluene	U133	Hydrazine (R,T)
U106	Benzene, 2-methyl-1,3-dinitro-	U134	Hydrofluoric acid (C,T)
U107	1,2-Benzenedicarboxylic acid, dioctyl ester	U134	Hydrogen fluoride (C,T)
U107	Di-n-octyl phthalate	U135	Hydrogen sulfide
U108	1,4-Diethyleneoxide	U135	Hydrogen sulfide H2S
U108	1,4-Dioxane	U136	Arsinic acid, dimethyl-
U109	1,2-Diphenylhydrazine	U136	Cacodylic acid
U109	Hydrazine, 1,2-diphenyl-	U137	Indeno[1,2,3-cd]pyrene
U110	1-Propanimine, N-propyl-(I)	U138	Methane, iodo-
U110	Dipropylamine (I)	U138	Methyl iodide
U111	1-Propanamine, N-nitroso-N-propyl-	U140	1-Propanol, 2-methyl- (I,T)
U111	Di-n-propylnitrosamine	U140	Isobutyl alcohol (I,T)
U112	Acetic acid, ethyl ester (I)	U141	1,3-Benzodioxole, 5-(1-propenyl)-
U112	Ethyl acetate (I)	U141	Isosafrole
U113	2-Propenoic acid, ethyl ester (I)	U142	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-
U113	Ethyl acrylate (I)	U142	Kepone
U114	Carbamodithioic acid, 1,2-ethanediybis-, salts & esters	U143	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*), 7aalpha]]-
U114	Ethylenebisdithiocarbamic acid, salts & esters	U143	Lasiocarpine
U115	Ethylene oxide (I,T)	U144	Acetic acid, lead(2+) salt
U115	Oxirane (I,T)	U144	Lead acetate * See F027
U116	2-Imidazolidinethione	U145	Lead phosphate
U116	Ethylenethiourea	U145	Phosphoric acid, lead(2+) salt (2:3)
U117	Ethane, 1,1'-oxybis-(I)	U146	Lead subacetate
U117	Ethyl ether (I)	U146	Lead, bis(acetato-O)tetrahydroxytri-
U118	2-Propenoic acid, 2-methyl-, ethyl ester		
U118	Ethyl methacrylate		
U119	Ethyl methanesulfonate		
U119	Methanesulfonic acid, ethyl ester		
U120	Fluoranthene		

U147	2,5-Furandione	U173	Ethanol, 2,2'-(nitrosoimino)bis-
U147	Maleic anhydride	U173	N-Nitrosodiethanolamine
U148	3,6-Pyridazinedione, 1,2-dihydro-	U174	Ethanamine, N-ethyl-N-nitroso-
U148	Maleic hydrazide	U174	N-Nitrosodiethylamine
U149	Malononitrile	U176	N-Nitroso-N-ethylurea
U149	Propanedinitrile	U176	Urea, N-ethyl-N-nitroso
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	U177	N-Nitroso-N-methylurea
U150	Melphalan	U177	Urea, N-methyl-N-nitroso-
U151	Mercury	U178	Carbamic acid, methylnitroso-, ethyl ester
U152	2-Propenenitrile, 2-methyl- (I,T)	U178	N-Nitroso-N-methylurethane
U152	Methacrylonitrile (I,T)	U179	N-Nitrosopiperidine
U153	Methanethiol (I,T)	U179	Piperidine, 1-nitroso-
U153	Thiomethanol (I,T)	U180	N-Nitrosopyrrolidine
U154	Methanol (I)	U180	Pyrrolidine, 1-nitroso-
U154	Methyl alcohol (I)	U181	5-Nitro-o-toluidine
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	U181	Benzenamine, 2-methyl-5-nitro
U155	Methapyrilene	U182	1,3,5-Trioxane, 2,4,6-trimethyl-
U156	Carbonochloridic acid, methyl ester, (I,T)	U182	Paraldehyde
U156	Methyl chlorocarbonate (I,T)	U183	Benzene, pentachloro-
U157	3-Methylcholanthrene	U183	Pentachlorobenzene
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	U184	Ethane, pentachloro-
U158	4,4'-Methylenebis(2-chloroaniline)	U184	Pentachloroethane
U158	Benzenamine, 4,4'-methylenebis[2-chloro-	U185	Benzene, pentachloronitro-
U159	2-Butanone (I,T)	U185	Pentachloronitrobenzene (PCNB)
U159	Methyl ethyl ketone (MEK) (I,T)	U186	1,3-Pentadiene (I)
U160	2-Butanone, peroxide (R,T)	U186	1-Methylbutadiene (I)
U160	Methyl ethyl ketone peroxide (R,T)	U187	Acetamide, N-(4-ethoxyphenyl)-
U161	4-Methyl-2-pentanone (I)	U187	Phenacetin
U161	Methyl isobutyl ketone (I)	U188	Phenol
U161	Pentanol, 4-methyl-	U189	Phosphorus sulfide (R)
U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)	U189	Sulfur phosphide (R)
U162	Methyl methacrylate (I,T)	U190	1,3-Isobenzofurandione
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-	U190	Phthalic anhydride
U163	MNNG	U191	2-Picoline
U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thio-	U191	Pyridine, 2-methyl-
U164	Methylthiouracil	U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U165	Naphthalene	U192	Pronamide
U166	1,4-Naphthalenedione	U193	1,2-Oxathiolane, 2,2-dioxide
U166	1,4-Naphthoquinone	U193	1,3-Propane sultone
U167	1-Naphthalenamine	U194	1-Propanamine (I,T)
U167	alpha-Naphthylamine	U194	n-Propylamine (I,T)
U168	2-Naphthalenamine	U196	Pyridine
U168	beta-Naphthylamine	U197	2,5-Cyclohexadiene-1,4-dione
U169	Benzene, nitro-	U197	p-Benzoquinone
U169	Nitrobenzene (I,T)	U200	Reserpine
U170	p-Nitrophenol (I,T)	U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-, methyl ester, (3beta, 6beta, 17alpha, 18beta, 20alpha)-
U170	Phenol, 4-nitro-	U201	1,3-Benzenediol
U171	2-Nitropropane (I,T)	U201	Resorcinol
U171	Propane, 2-nitro- (I,T)		
U172	1-Butanamine, N-butyl-N-nitroso-		
U172	N-Nitrosodi-n-butylamine		

U202	Saccharin, & salts	U228	Trichloroethylene
U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts	U228	Ethene, trichloro
U203	Safrole	U234	Benzene, 1,3,5-trinitro-
U203	1,3-Benzodioxole, 5-(2-propenyl)-	U234	1,3,5-Trinitrobenzene (R,T)
J204	Selenium dioxide	U235	Tris(2,3-dibromopropyl) phosphate
U204	Selenious acid	U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U205	Selenium sulfide SeS ₂ (R,T)	U236	Trypan blue
U205	Selenium sulfide	U236	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt
U206	Streptozotocin	U237	Uracil mustard
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-	U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-
U206	D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino]-	U238	Ethyl carbamate (urethane)
U207	1,2,4,5-Tetrachlorobenzene	U238	Carbamic acid, ethyl ester
U207	Benzene, 1,2,4,5-tetrachloro-	U239	Benzene, dimethyl- (I,T)
U208	Ethane, 1,1,1,2-tetrachloro-	U239	Xylene (I)
U208	1,1,1,2-Tetrachloroethane	U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U209	1,1,2,2-Tetrachloroethane	U240	2,4-D, salts & esters
U209	Ethane, 1,1,2,2-tetrachloro	U243	1-Propene, 1,1,2,3,3,3-hexachloro-
U210	Tetrachloroethylene	U243	Hexachloropropene
U210	Ethene, tetrachloro-	U244	Thiram
U211	Carbon tetrachloride	U244	Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ , tetramethyl-
U211	Methane, tetrachloro-	U246	Cyanogen bromide (CN)Br
U213	Tetrahydrofuran (I)	U247	Methoxychlor
U213	Furan, tetrahydro-(I)	U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-
U214	Thallium(I) acetate	U248	Warfarin, & salts, when present at concentrations of 0.3% or less
U214	Acetic acid, thallium(1+) salt	U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less
U215	Thallium(I) carbonate	U249	Zinc phosphide Zn ₃ P ₂ , when present at concentrations of 10% or less
U215	Carbonic acid, dithallium(1+) salt	U271	Benomyl.
U216	Thallium chloride TlCl	U271	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester
U216	Thallium(I) chloride	U277	Carbamodithioic acid, diethyl-, 2-chloro-2-propenyl ester
U217	Nitric acid, thallium(1+) salt	U277	Sulfallate.
U217	Thallium(I) nitrate	U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate.
U218	Thioacetamide	U278	Bendiocarb
U218	Ethanethioamide	U279	Carbaryl.
U219	Thiourea	U279	1-Naphthalenol, methylcarbamate
U220	Benzene, methyl	U280	Barban.
U220	Toluene	U280	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester
U221	Benzenediamine, ar-methyl-		
U221	Toluenediamine		
U222	Benzenamine, 2-methyl-, hydrochloride		
U222	o-Toluidine hydrochloride		
U223	Benzene, 1,3-diisocyanatomethyl- (R,T)		
U223	Toluene diisocyanate (R,T)		
U225	Bromoform		
U225	Methane, tribromo-		
U226	Methyl chloroform		
U226	Ethane, 1,1,1-trichloro-		
U227	1,1,2-Trichloroethane		
U227	Ethane, 1,1,2-trichloro-		

U328 o-Toluidine
 U328 Benzenamine, 2-methyl-
 U353 p-Toluidine
 U353 Benzenamine, 4-methyl-
 U359 Ethylene glycol monoethyl ether
 U359 Ethanol, 2-ethoxy-
 U364 1,3-Benzodioxol-4-ol, 2,2-dimethyl-,
 U364 Bendiocarb phenol.
 U367 Carbofuran phenol.
 U367 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
 U372 Carbamic acid, 1H-benzimidazol-2-yl, methyl ester.
 U372 Carbendazim.
 U373 Propham.
 U373 Carbamic acid, phenyl-, 1-methylethyl ester.
 U387 Prosulfocarb.
 U387 Carbamothioic acid, dipropyl-,
 S-(phenylmethyl) ester
 U389 Carbamothioic acid, bis(1-methylethyl)-,
 S-(2,3,3-trichloro-2-propenyl) ester
 U389 Triallate.
 U395 Diethylene glycol, dicarbamate
 U395 Ethanol, 2,2'-oxybis-, dicarbamate
 U401 Tetramethylthiuram monosulfide.
 U401 Bis(dimethylthiocarbamoyl) sulfide
 U402 Tetrabutylthiuram disulfide.
 U402 Thioperoxydicarbonic diamide, tetrabutyl
 U403 Thioperoxydicarbonic diamide, tetraethyl.
 U403 Disulfiram.
 U404 Ethanamine, N,N-diethyl-
 U404 Triethylamine
 U409 Thiophanate-methyl.
 U409 Carbamic acid, [1,2-phenylenebis
 (iminocarbonothioyl)]bis-, dimethyl ester.
 U410 Ethanimidothioic acid, N,N'-
 [thiobis[(methylimino)carbonyloxy]]bis-,
 dimethyl ester
 U410 Thiodicarb.
 U411 Propoxur.
 U411 Phenol, 2-(1-methylethoxy)-, methylcarbamate.

APPENDIX D**SOURCE CODES**

Code	Description	Corresponding 1999 codes
WASTE FROM ONGOING PRODUCTION AND SERVICE PROCESSES		
G01	Dip, flush or spray rinsing	A04, A05, A06, A31
G02	Stripping and acid or caustic cleaning	A01, A02, A03
G03	Plating and phosphating	A22, A23, A24
G04	Etching	A27
G05	Metal forming and treatment (pickling, heat treating, etc.)	A25, A26, A40
G06	Painting and coating	A21, A29
G07	Product and by-product processing	A32, A35, A41, A49
G08	Removal of spent process liquids or catalysts	A36, A37
G09	Other production or service-related processes (specify in comments)	A49, A29, A07, A08, A19
OTHER INTERMITTENT EVENTS OR PROCESSES		
G11	Discarding off-specification or out-of-date chemicals or products	A57, A58
G12	Lagoon or sediment dragout and leachate collection	New
G13	Cleaning out process equipment	A09
G14	Removal of tank sludge, sediments or slag	A38, A39, A60
G15	Process equipment change-out or discontinuation of equipment use	A56
G16	Oil changes and filter or battery replacement	A54, A55
G19	Other one-time or intermittent processes (specify in comments)	A59, A60, A91
POLLUTION CONTROL AND WASTE MANAGEMENT PROCESS RESIDUALS		
G21	Air pollution control devices (baghouse dust, etc.)	A78
G22	Laboratory analytical wastes (used chemicals)	A94
G23	Wastewater treatment (sludge, filter cake, etc)	A75
G24	Solvent or product distillation or recovery (sludge, waste)	A33, A34, A73
G25	Hazardous waste management – indicate management method	A71-A74, A76, A77, A89
G26	Storage and disposal unit leachate collection	A79
SPILLS AND ACCIDENTAL RELEASES		
G31	Accidental contamination of products, materials or containers	New
G32	Cleanup of spill residues	A53
G33	Leak collection and floor sweeping	A51, A92
G39	Other cleanup of current contamination (specify in comments)	New
REMEDIATION OF PAST CONTAMINATION		
G41	Closure of hazardous waste management unit under RCRA	A64
G42	Corrective action at a solid waste management unit under RCRA	A63
G43	Remedial action or emergency response under Superfund	A61, A62
G44	State program or voluntary cleanup	A93, New
G45	Underground storage or tank cleanup	A65
G49	Other remediation (specify in comments)	A69
WASTE NOT PHYSICALLY GENERATED ON SITE		
G61	Hazardous waste received from off-site for storage/bulking and transfer off site for treatment or disposal	A89, New (origin = 4)
G62	Hazardous waste received from a foreign country other than a foreign Dept of Defense site, Maquiladora, US territory or protectorate.	New

APPENDIX E**MANAGEMENT METHOD CODES**

Code	Description	Corresponding 1999 codes (use H codes for 2001)
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RECLAMATION AND RECOVERY

H010	Metals recovery including retorting, smelting, chemical, etc.	M011 - M019
H020	Solvents	M021 - M029, M104
H039	Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc. (specify in comments)	M031 - M039
H050	Energy recovery at this site – use as fuel (includes on-site fuel blending)	M051 – M059
H061	Fuel blending prior to energy recovery at another site	M061

DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE

H040	Incineration – thermal destruction other than use a fuel	M041 – M049
H071	Chemical reduction with or without precipitation	M071
H073	Cyanide destruction with or without precipitation	M073
H075	Chemical oxidation	M075
H076	Wet air oxidation	M076, M084, M093
H077	Other chemical precipitation with or without pre-treatment	M072, M074, M077
H081	Biological treatment with or without precipitation	M081, M091
H082	Adsorption	M082, M092, M103
H083	Air or steam stripping	M083
H101	Sludge treatment and/or dewatering	M101, M102, M109
H103	Absorption	M103
H111	Stabilization or chemical fixation prior to disposal at another site	M111
H112	Macro-encapsulation prior to disposal at another site	M112, new
H121	Neutralization only	M121
H122	Evaporation	M122
H123	Settling or clarification	M123
H124	Phase separation	M124
H129	Other treatment (specify in comments)	M078, M079, M085, M089, M094, M099, M119, M125, M129

DISPOSAL

H131	Land treatment or application (to include on-site treatment and/or stabilization)	M131
H132	Landfill or surface impoundment to be closed as a landfill (includes on-site treatment and/or stabilization)	M132, M133
H134	Deepwell or underground injection (with or without treatment)	M134
H135	Discharge to sewer/POTW or NPDES (with prior storage – with or without treatment)	M135, M136

STORAGE AND TRANSFER

H141	Storage, bulking, and/or transfer off-site: no treatment/recovery, fuel blending, or disposal at this site.	M141
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APPENDIX F**FORM CODES**

Code	Description	Corresponding 1999 codes (use the W codes for 2001)
MIXED MEDIA, DEBRIS, DEVICES	Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorizable	
W001	Lab packs with no acute hazardous waste	B001, B003, B009
W002	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids	B002, B406, new
W004	Lab packs containing acute hazardous waste	B004
W301	Contaminated soil	B301, B302
W309	Batteries, battery parts, cores, casing	B309
W310	Filters, solid adsorbents, ion exchange resins and spent carbon	B310, B404
W320	Electrical devices (lamps, thermostats, CRTs, etc	New
W512	Sediment or lagoon dragout, drilling or other muds	B514
W801	Compressed gases	B701, B801
INORGANIC LIQUIDS	Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content	
W101	Very dilute aqueous waste containing more than 99% water	B101, B102, B114, B116
W103	Spent concentrated acid	B103, B104
W105	Acidic aqueous wastes less than 5% acid	B105
W107	Aqueous waste containing cyanides	B107, B108
W110	Caustic aqueous waste without cyanides	B106, B109, B110
W113	Other aqueous waste or wastewaters	B111, B112, B113, B115
W117	Waste liquid mercury	B117
W119	Other inorganic liquid (specify in comments)	B119
ORGANIC LIQUIDS	Waste that is primarily organic and is highly fluid, with low inorganic solids content and low to moderate water content	
W200	Still bottoms in liquid form	B601, B602, New
W202	Concentrated halogenated (e.g. chlorinated) solvent	B202
W203	Concentrated non-halogenated (e.g. , non-chlorinated) solvent	B203
W204	Concentrated halogenated/non-halogenated solvent mixture	B204, B201
W205	Oil-water emulsion or mixture	B205
W206	Waste oil	B206
W209	Paint, ink, lacquer, or varnish	B209
W210	Reactive or polymerizable organic liquids and adhesives	B210, B212
W211	Paint thinner or petroleum distillates	B211
W219	Other organic liquid (specify in comments)	B207, B208, B219

INORGANIC SOLIDS

Waste that is primarily inorganic and solid, with low organic content and low to moderate water content; not pumpable

W303	Ash	B303
W304	Slags, drosses, and other solid thermal residues	B303, B304
W307	Metal scale, filings and scrap (including metal drums)	B307, B308
W312	Cyanide or metal cyanide bearing solids, salts or chemicals	B312, B313
W316	Metal salts or chemicals not containing cyanides	B316
W319	Other inorganic solids (specify in comments)	B311, B319, B314, B315

ORGANIC SOLIDS

Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable

W401	Pesticide solids	B401, B402
W403	Solid resins, plastics or polymerized organics	B403
W405	Explosives or reactive organic solids	B405
W409	Other organic solids (specify in comments)	B407, B409

INORGANIC SLUDGES

Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable

W501	Lime and/or metal hydroxide sludges and solids with no cyanides	B501, B502, B305, B306
W503	Gypsum sludges from wastewater treatment or air pollution control	B503
W504	Other sludges from wastewater treatment or air pollution control	B504, B511
W505	Metal bearing sludges (including plating sludge) not containing cyanides	B505, B510
W506	Cyanide-bearing sludges	B506, B507
W519	Other inorganic sludges (specify in comments)	B508, B509, B515, B516, B519, B607

ORGANIC SLUDGES

Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable

W603	Oily sludge	B603
W604	Paint or ink sludges, still bottoms in sludge form	B601, B602, B604
W606	Resins, tars, polymer or tarry sludge	B605, B606
W609	Other organic sludge (specify in comments)	B608, B609

APPENDIX G

HAZARDOUS WASTE HANDLER DEFINITIONS

TREATMENT, STORAGE, DISPOSAL FACILITY (TSD)

The site is a TSD if it:

- ♦ Treats, stores more than 90 days or disposes of RCRA hazardous waste on site in units subject to RCRA permitting requirements.

LARGE QUANTITY GENERATOR (LQG)

The site is an LQG in one or more months if it :

- ♦ Generates 1000 kg (2,200 lbs) or more of RCRA hazardous waste; **OR**
Generates or accumulates at any time 1 kg (2.2 lbs) or more of acute RCRA hazardous waste; **OR**
- ♦ Generates or accumulates at any time more than 100 kg (220 lbs) of spill cleanup material contaminated with RCRA acute hazardous waste.

SMALL QUANTITY GENERATOR (SQG)

The site is an SQG for a month if the site:

- ♦ Generates more than 100 kg (220 lbs) but less than 1,000 kg (2,200 lbs) of hazardous waste, AND
- ♦ Generates less than 1 kg (2.2 lbs) of acute hazardous waste, or less than 100 kg (220 lbs) of material from the cleanup of a spillage of acute hazardous waste,

AND IF THE SITE

- ♦ Accumulates no more than 6,000 kg of hazardous waste and/or no more than 1 kg (2.2 lbs) of acute hazardous waste, and no more than 100 kg (220 lbs) of material from the cleanup of a spillage of acute hazardous waste; and stores the waste in tanks or containers in a manner consistent with the regulatory provisions of 329 IAC 3.1;

OR, THE SITE IS AN SQG IF IT

- ♦ Meets all other criteria for a conditionally exempt generator but accumulates 1,000 kg (2,200 lbs) or more of hazardous waste.

Typical small quantity generators include dry cleaners, equipment repair activities, and vehicle maintenance. Typical waste streams produced include solvents, acids, bases, reactives, plating wastes, and ignitable wastes.

CONDITIONALLY EXEMPT GENERATOR (CEG)

The site is a CEG for the month if the site:

- ♦ Generates no more than 100 kg (220 lbs) of hazardous waste in that month; **AND**
- ♦ Generates no more than 1 kg (2.2 lbs) of acute hazardous waste, in that month; and no more than 100 kg (220 lbs) of material from the cleanup of a spillage of acute hazardous waste;

AND IF THE SITE

- ♦ Accumulates no more than 1,000 kg (2,200 lbs) of hazardous waste, and no more than 1 kg (2.2 lbs) of acute hazardous waste, and no more than 100 kg (220 lbs) of material from the cleanup of a spillage of acute hazardous waste; **AND**
- ♦ Treats or disposes of the hazardous waste in a manner consistent with the regulatory provisions of 329 IAC 3.1.

TRANSPORTER

A handler is a transporter if they transport hazardous waste for themselves and/or commercially.

MORE HELP

If you need further help in determining your generator status call 317-308-3103 and ask for a copy of the Small Quantity Generator handbook. Complete descriptions of regulated wastes as well as all applicable regulations can be found in the Indiana Hazardous Waste Regulations 329 IAC 3.1, available through the Legislative Services Agency, Office of Code Revision, 302 State House, Room 230, Indianapolis, Indiana 46204, 317/232-9856. Please note that there is a charge to obtain a copy of the rules. Due to the adopt by reference format of the Indiana rules, you will also need to obtain a copy of the federal rules, 40 CFR Parts 260-299, from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328. Copies of regulations may be found in your local library. You may also look at IDEM's website at www.in.gov/idem/land under Regs and Laws.



NORTH AMERICAN INDUSTRIAL CLASSIFICATION CODES (NAICS)

Not shown here are 6-digit codes ending in 0 that coincide with their parent 5-digit category, for example, 111110 Soybean Farming. You should use the most detailed (longest) code that best describes your business. These codes can also be found at www.naics.com.

AGRICULTURE, FORESTRY, FISHING, HUNTING

111 Crop Production

- 1111 Oilseed and Grain Farming
- 11111 Soybean Farming
- 11112 Oilseed (except Soybean) Farming
- 11113 Dry Pea and Bean Farming
- 11114 Wheat Farming
- 11115 Corn Farming
- 11116 Rice Farming
- 11119 Other Grain Farming
- 111191 Oilseed and Grain Combination Farming
- 111199 All Other Grain Farming
- 1112 Vegetable and Melon Farming
- 11121 Vegetable and Melon Farming
- 111211 Potato Farming
- 111219 Other Vegetable (except Potato) & Melon Farming
- 1113 Fruit and Tree Nut Farming
- 11131 Orange Groves
- 11132 Citrus (except Orange) Groves
- 11133 Noncitrus Fruit and Tree Nut Farming
- 111331 Apple Orchards
- 111332 Grape Vineyards
- 111333 Strawberry Farming
- 111334 Berry (except Strawberry) Farming
- 111335 Tree Nut Farming
- 111336 Fruit and Tree Nut Combination Farming
- 111339 Other Noncitrus Fruit Farming
- 1114 Greenhouse, Nursery, and Floriculture Production
- 11141 Food Crops Grown Under Cover
- 111411 Mushroom Production
- 111419 Other Food Crops Grown Under Cover
- 11142 Nursery and Floriculture Production
- 111421 Nursery and Tree Production
- 111422 Floriculture Production
- 1119 Other Crop Farming
- 11191 Tobacco Farming
- 11192 Cotton Farming
- 11193 Sugarcane Farming
- 11194 Hay Farming
- 11199 All Other Crop Farming
- 111991 Sugar Beet Farming
- 111992 Peanut Farming
- 111998 All Other Miscellaneous Crop Farming

112 Animal Production

- 1121 Cattle Ranching and Farming
- 11211 Beef Cattle Ranching and Farming, including Feedlots
- 112111 Beef Cattle Ranching and Farming
- 112112 Cattle Feedlots
- 11212 Dairy Cattle and Milk Production
- 11213 Dual Purpose Cattle Ranching and Farming

- 1122 Hog and Pig Farming
- 11221 Hog and Pig Farming
- 1123 Poultry and Egg Production
- 11231 Chicken Egg Production
- 11232 Broilers and Other Meat Type Chicken Production
- 11233 Turkey Production
- 11234 Poultry Hatcheries
- 11239 Other Poultry Production
- 1124 Sheep and Goat Farming
- 11241 Sheep Farming
- 11242 Goat Farming
- 1125 Animal Aquaculture
- 11251 Animal Aquaculture
- 112511 Finfish Farming and Fish Hatcheries
- 112512 Shellfish Farming
- 112519 Other Animal Aquaculture
- 1129 Other Animal Production
- 11291 Apiculture
- 11292 Horse and Other Equine Production
- 11293 Fur-Bearing Animal and Rabbit Production
- 11299 All Other Animal Production

113 Forestry and Logging

- 1131 Timber Tract Operations
- 11311 Timber Tract Operations
- 1132 Forest Nurseries and Gathering of Forest Products
- 11321 Forest Nurseries and Gathering of Forest Products
- 1133 Logging
- 11331 Logging

114 Fishing, Hunting and Trapping

- 1141 Fishing
- 11411 Fishing
- 114111 Finfish Fishing
- 114112 Shellfish Fishing
- 114119 Other Marine Fishing
- 1142 Hunting and Trapping
- 11421 Hunting and Trapping

115 Support Activities for Agriculture and Forestry

- 1151 Support Activities for Crop Production
- 11511 Support Activities for Crop Production
- 115111 Cotton Ginning
- 115112 Soil Preparation, Planting, and Cultivating
- 115113 Crop Harvesting, Primarily by Machine
- 115114 Postharvest Crop Activities (except Cotton Ginning)
- 115115 Farm Labor Contractors and Crew Leaders
- 115116 Farm Management Services
- 1152 Support Activities for Animal Production
- 11521 Support Activities for Animal Production
- 1153 Support Activities for Forestry
- 11531 Support Activities for Forestry

MINING

21 Mining

211	Oil and Gas Extraction
2111	Oil and Gas Extraction
21111	Oil and Gas Extraction
211111	Crude Petroleum and Natural Gas Extraction
211112	Natural Gas Liquid Extraction

212 Mining (except Oil and Gas)

2121	Coal Mining
21211	Coal Mining
212111	Bituminous Coal and Lignite Surface Mining
212112	Bituminous Coal Underground Mining
212113	Anthracite Mining
2122	Metal Ore Mining
21221	Iron Ore Mining
21222	Gold Ore and Silver Ore Mining
212221	Gold Ore Mining
212222	Silver Ore Mining
21223	Copper, Nickel, Lead, and Zinc Mining
212231	Lead Ore and Zinc Ore Mining
212234	Copper Ore and Nickel Ore Mining
21229	Other Metal Ore Mining
212291	Uranium-Radium-Vanadium Ore Mining
212299	All Other Metal Ore Mining
2123	Nonmetallic Mineral Mining and Quarrying
21231	Stone Mining and Quarrying
212311	Dimension Stone Mining and Quarrying
212312	Crushed and Broken Limestone Mining and Quarrying
212313	Crushed and Broken Granite Mining and Quarrying
212319	Other Crushed and Broken Stone Mining and Quarrying
21232	Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying
212321	Construction Sand and Gravel Mining
212322	Industrial Sand Mining
212324	Kaolin and Ball Clay Mining
212325	Clay and Ceramic and Refractory Minerals Mining
21239	Other Nonmetallic Mineral Mining and Quarrying
212391	Potash, Soda, and Borate Mineral Mining
212392	Phosphate Rock Mining
212393	Other Chemical and Fertilizer Mineral Mining
212399	All Other Nonmetallic Mineral Mining

213 Support Activities for Mining

2131	Support Activities for Mining
21311	Support Activities for Mining
213111	Drilling Oil and Gas Wells
213112	Support Activities for Oil and Gas Operations
213113	Support Activities for Coal Mining
213114	Support Activities for Metal Mining
213115	Support Activities for Nonmetallic Minerals (except Fuels)

22 Utilities

221	Utilities
2211	Electric Power Generation, Transmission and Distribution
22111	Electric Power Generation
221111	Hydroelectric Power Generation
221112	Fossil Fuel Electric Power Generation
221113	Nuclear Electric Power Generation
221119	Other Electric Power Generation
22112	Electric Power Transmission, Control, and Distribution
221121	Electric Bulk Power Transmission and Control
221122	Electric Power Distribution
2212	Natural Gas Distribution
22121	Natural Gas Distribution

2213	Water, Sewage and Other Systems
22131	Water Supply and Irrigation Systems
22132	Sewage Treatment Facilities
22133	Steam and Air-Conditioning Supply

CONSTRUCTION

23 Construction

233	Building, Developing, and General Contracting
2331	Land Subdivision and Land Development
23311	Land Subdivision and Land Development
2332	Residential Building Construction
23321	Single Family Housing Construction
23322	Multifamily Housing Construction
2333	Nonresidential Building Construction
23331	Manufacturing and Industrial Building Construction
23332	Commercial and Institutional Building Construction

234 Heavy Construction

2341	Highway, Street, Bridge, and Tunnel Construction
23411	Highway and Street Construction
23412	Bridge and Tunnel Construction
2349	Other Heavy Construction
23491	Water, Sewer, and Pipeline Construction
23492	Power and Communication Transmission Line Construction
23493	Industrial Nonbuilding Structure Construction
23499	All Other Heavy Construction

235 Special Trade Contractors

2351	Plumbing, Heating, and Air-Conditioning Contractors
23511	Plumbing, Heating, and Air-Conditioning Contractors
2352	Painting and Wall Covering Contractors
23521	Painting and Wall Covering Contractors
23531	Electrical Contractors
2354	Masonry, Drywall, Insulation, and Tile Contractors
23541	Masonry and Stone Contractors
23542	Drywall, Plastering, Acoustical, and Insulation Contractors
23543	Tile, Marble, Terrazzo, and Mosaic Contractors
2355	Carpentry and Floor Contractors
23551	Carpentry Contractors
23552	Floor Laying and Other Floor Contractors
2356	Roofing, Siding, and Sheet Metal Contractors
23561	Roofing, Siding, and Sheet Metal Contractors
2357	Concrete Contractors
23571	Concrete Contractors
2358	Water Well Drilling Contractors
23581	Water Well Drilling Contractors
2359	Other Special Trade Contractors
23591	Structural Steel Erection Contractors
23592	Glass and Glazing Contractors
23593	Excavation Contractors
23594	Wrecking and Demolition Contractors
23595	Building Equipment & Other Machinery Installation Contractors
23599	All Other Special Trade Contractors

MANUFACTURING

311 Food Manufacturing

3111	Animal Food Manufacturing
31111	Animal Food Manufacturing
311111	Dog and Cat Food Manufacturing
311119	Other Animal Food Manufacturing
3112	Grain and Oilseed Milling
31121	Flour Milling and Malt Manufacturing
311211	Flour Milling
311212	Rice Milling
311213	Malt Manufacturing
31122	Starch and Vegetable Fats and Oils Manufacturing
311221	Wet Corn Milling
311222	Soybean Processing
311223	Other Oilseed Processing
311225	Fats and Oils Refining and Blending
31123	Breakfast Cereal Manufacturing
3113	Sugar and Confectionery Product Manufacturing
31131	Sugar Manufacturing
311311	Sugarcane Mills
311312	Cane Sugar Refining
311313	Beet Sugar Manufacturing
31132	Chocolate and Confectionery Manufacturing from Cacao Beans
31133	Confectionery Manufacturing from Purchased Chocolate
31134	Nonchocolate Confectionery Manufacturing
3114	Fruit and Vegetable Preserving and Specialty Food Manufacturing
31141	Frozen Food Manufacturing
311411	Frozen Fruit, Juice, and Vegetable Manufacturing
311412	Frozen Specialty Food Manufacturing
31142	Fruit and Vegetable Canning, Pickling, and Drying
311421	Fruit and Vegetable Canning
311422	Specialty Canning
311423	Dried and Dehydrated Food Manufacturing
3115	Dairy Product Manufacturing
31151	Dairy Product (except Frozen) Manufacturing
311511	Fluid Milk Manufacturing
311512	Creamery Butter Manufacturing
311513	Cheese Manufacturing
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
31152	Ice Cream and Frozen Dessert Manufacturing
3116	Animal Slaughtering and Processing
31161	Animal Slaughtering and Processing
311611	Animal (except Poultry) Slaughtering
311612	Meat Processed from Carcasses
311613	Rendering and Meat Byproduct Processing
311615	Poultry Processing
3117	Seafood Product Preparation and Packaging
31171	Seafood Product Preparation and Packaging
311711	Seafood Canning
311712	Fresh and Frozen Seafood Processing
3118	Bakeries and Tortilla Manufacturing
31181	Bread and Bakery Product Manufacturing
311811	Retail Bakeries
311812	Commercial Bakeries
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
31182	Cookie, Cracker, and Pasta Manufacturing
311821	Cookie and Cracker Manufacturing

311822	Flour Mixes and Dough Manufacturing from Purchased Flour
311823	Dry Pasta Manufacturing
31183	Tortilla Manufacturing
3119	Other Food Manufacturing
31191	Snack Food Manufacturing
311911	Roasted Nuts and Peanut Butter Manufacturing
311919	Other Snack Food Manufacturing
31192	Coffee and Tea Manufacturing
31193	Flavoring Syrup and Concentrate Manufacturing
31194	Seasoning and Dressing Manufacturing
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
311942	Spice and Extract Manufacturing
31199	All Other Food Manufacturing
311991	Perishable Prepared Food Manufacturing
311999	All Other Miscellaneous Food Manufacturing

312 Beverage and Tobacco Product Manufacturing

3121	Beverage Manufacturing
31211	Soft Drink and Ice Manufacturing
312111	Soft Drink Manufacturing
312112	Bottled Water Manufacturing
312113	Ice Manufacturing
31212	Breweries
31213	Wineries
31214	Distilleries
3122	Tobacco Manufacturing
31221	Tobacco Stemming and Redrying
31222	Tobacco Product Manufacturing
312221	Cigarette Manufacturing
312229	Other Tobacco Product Manufacturing

313 Textile Mills

3131	Fiber, Yarn, and Thread Mills
31311	Fiber, Yarn, and Thread Mills
313111	Yarn Spinning Mills
313112	Yarn Texturizing, Throwing, and Twisting Mills
313113	Thread Mills
3132	Fabric Mills
31321	Broadwoven Fabric Mills
31322	Narrow Fabric Mills and Schiffli Machine Embroidery
313221	Narrow Fabric Mills
313222	Schiffli Machine Embroidery
31323	Nonwoven Fabric Mills
31324	Knit Fabric Mills
313241	Weft Knit Fabric Mills
313249	Other Knit Fabric and Lace Mills
3133	Textile and Fabric Finishing and Fabric Coating Mills
31331	Textile and Fabric Finishing Mills
313311	Broadwoven Fabric Finishing Mills
313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills
31332	Fabric Coating Mills

314 Textile Product Mills

3141	Textile Furnishings Mills
31411	Carpet and Rug Mills
31412	Curtain and Linen Mills
314121	Curtain and Drapery Mills
314129	Other Household Textile Product Mills
3149	Other Textile Product Mills
31491	Textile Bag and Canvas Mills
314911	Textile Bag Mills
314912	Canvas and Related Product Mills
31499	All Other Textile Product Mills
314991	Rope, Cordage, and Twine Mills
314992	Tire Cord and Tire Fabric Mills
314999	All Other Miscellaneous Textile Product Mills

315 Apparel Manufacturing

3151 Apparel Knitting Mills
 31511 Hosiery and Sock Mills
 315111 Sheer Hosiery Mills
 315119 Other Hosiery and Sock Mills
 31519 Other Apparel Knitting Mills
 315191 Outerwear Knitting Mills
 315192 Underwear and Nightwear Knitting Mills
 3152 Cut and Sew Apparel Manufacturing
 31521 Cut and Sew Apparel Contractors
 315211 Men's and Boys' Cut and Sew Apparel Contractors
 315212 Women's, Girls', and Infants' Cut and Sew Apparel Contractors
 31522 Men's and Boys' Cut and Sew Apparel Manufacturing
 315221 Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing
 315222 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing
 315223 Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing
 315224 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing
 315225 Men's and Boys' Cut and Sew Work Clothing Manufacturing
 315228 Men's and Boys' Cut and Sew Other Outerwear Manufacturing
 31523 Women's and Girls' Cut and Sew Apparel Manufacturing
 315231 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing
 315232 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing
 315233 Women's and Girls' Cut and Sew Dress Manufacturing
 315234 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing
 315239 Women's and Girls' Cut and Sew Other Outerwear Manufacturing
 31529 Other Cut and Sew Apparel Manufacturing
 315291 Infants' Cut and Sew Apparel Manufacturing
 315292 Fur and Leather Apparel Manufacturing
 315299 All Other Cut and Sew Apparel Manufacturing
 3159 Apparel Accessories and Other Apparel Manufacturing
 31599 Apparel Accessories and Other Apparel Manufacturing
 315991 Hat, Cap, and Millinery Manufacturing
 315992 Glove and Mitten Manufacturing
 315993 Men's and Boys' Neckwear Manufacturing
 315999 Other Apparel Accessories and Other Apparel Manufacturing

316 Leather and Allied Product Manufacturing

3161 Leather and Hide Tanning and Finishing
 31611 Leather and Hide Tanning and Finishing
 3162 Footwear Manufacturing
 31621 Footwear Manufacturing
 316211 Rubber and Plastics Footwear Manufacturing
 316212 House Slipper Manufacturing
 316213 Men's Footwear (except Athletic) Manufacturing
 316214 Women's Footwear (except Athletic) Manufacturing
 316219 Other Footwear Manufacturing
 3169 Other Leather and Allied Product Manufacturing
 31699 Other Leather and Allied Product Manufacturing
 316991 Luggage Manufacturing
 316992 Women's Handbag and Purse Manufacturing
 316993 Personal Leather Good (except Women's Handbag and Purse) Manufacturing
 316999 All Other Leather Good Manufacturing

321 Wood Product Manufacturing

3211 Sawmills and Wood Preservation
 32111 Sawmills and Wood Preservation
 321113 Sawmills
 321114 Wood Preservation
 3212 Veneer, Plywood, and Engineered Wood Product Manufacturing
 32121 Veneer, Plywood, and Engineered Wood Product Manufacturing
 321211 Hardwood Veneer and Plywood Manufacturing
 321212 Softwood Veneer and Plywood Manufacturing
 321213 Engineered Wood Member (except Truss) Manufacturing
 321214 Truss Manufacturing
 321219 Reconstituted Wood Product Manufacturing
 3219 Other Wood Product Manufacturing
 32191 Millwork
 321911 Wood Window and Door Manufacturing
 321912 Cut Stock, Resawing Lumber, and Planing
 321918 Other Millwork (including Flooring)
 32192 Wood Container and Pallet Manufacturing
 32199 All Other Wood Product Manufacturing
 321991 Manufactured Home (Mobile Home) Manufacturing
 321992 Prefabricated Wood Building Manufacturing
 321999 All Other Miscellaneous Wood Product Manufacturing

322 Paper Manufacturing

3221 Pulp, Paper, and Paperboard Mills
 32211 Pulp Mills
 32212 Paper Mills
 322121 Paper (except Newsprint) Mills
 322122 Newsprint Mills
 32213 Paperboard Mills
 3222 Converted Paper Product Manufacturing
 32221 Paperboard Container Manufacturing
 322211 Corrugated and Solid Fiber Box Manufacturing
 322212 Folding Paperboard Box Manufacturing
 322213 Setup Paperboard Box Manufacturing
 322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing
 322215 Nonfolding Sanitary Food Container Manufacturing
 32222 Paper Bag and Coated and Treated Paper Manufacturing
 322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing
 322222 Coated and Laminated Paper Manufacturing
 322223 Plastics, Foil, and Coated Paper Bag Manufacturing
 322224 Uncoated Paper and Multiwall Bag Manufacturing
 322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses
 322226 Surface-Coated Paperboard Manufacturing
 32223 Stationery Product Manufacturing
 322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing
 322232 Envelope Manufacturing
 322233 Stationery, Tablet, and Related Product Manufacturing
 32229 Other Converted Paper Product Manufacturing
 322291 Sanitary Paper Product Manufacturing
 322299 All Other Converted Paper Product Manufacturing

323 Printing and Related Support Activities

3231	Printing and Related Support Activities
32311	Printing
323110	Commercial Lithographic Printing
323111	Commercial Gravure Printing
323112	Commercial Flexographic Printing
323113	Commercial Screen Printing
323114	Quick Printing
323115	Digital Printing
323116	Manifold Business Forms Printing
323117	Books Printing
323118	Blankbook, Looseleaf Binders, and Devices Manufacturing
323119	Other Commercial Printing
32312	Support Activities for Printing
323121	Tradebinding and Related Work
323122	Prepress Services

324 Petroleum and Coal Products Manufacturing

3241	Petroleum and Coal Products Manufacturing
32411	Petroleum Refineries
32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing
324121	Asphalt Paving Mixture and Block Manufacturing
324122	Asphalt Shingle and Coating Materials Manufacturing
32419	Other Petroleum and Coal Products Manufacturing
324191	Petroleum Lubricating Oil and Grease Manufacturing
324199	All Other Petroleum and Coal Products Manufacturing

325 Chemical Manufacturing

3251	Basic Chemical Manufacturing
32511	Petrochemical Manufacturing
32512	Industrial Gas Manufacturing
32513	Synthetic Dye and Pigment Manufacturing
325131	Inorganic Dye and Pigment Manufacturing
325132	Synthetic Organic Dye and Pigment Manufacturing
32518	Other Basic Inorganic Chemical Manufacturing
325181	Alkalies and Chlorine Manufacturing
325182	Carbon Black Manufacturing
325188	All Other Basic Inorganic Chemical Manufacturing
32519	Other Basic Organic Chemical Manufacturing
325191	Gum and Wood Chemical Manufacturing
325192	Cyclic Crude and Intermediate Manufacturing
325193	Ethyl Alcohol Manufacturing
325199	All Other Basic Organic Chemical Manufacturing
3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing
32521	Resin and Synthetic Rubber Manufacturing
325211	Plastics Material and Resin Manufacturing
325212	Synthetic Rubber Manufacturing
32522	Artificial and Synthetic Fibers and Filaments Manufacturing
325221	Cellulosic Organic Fiber Manufacturing
325222	Noncellulosic Organic Fiber Manufacturing
3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing
32531	Fertilizer Manufacturing
325311	Nitrogenous Fertilizer Manufacturing
325312	Phosphatic Fertilizer Manufacturing
325314	Fertilizer (Mixing Only) Manufacturing
32532	Pesticide and Other Agricultural Chemical Manufacturing
3254	Pharmaceutical and Medicine Manufacturing
32541	Pharmaceutical and Medicine Manufacturing
325411	Medicinal and Botanical Manufacturing
325412	Pharmaceutical Preparation Manufacturing
325413	In-Vitro Diagnostic Substance Manufacturing
325414	Biological Product (except Diagnostic) Manufacturing

3255	Paint, Coating, and Adhesive Manufacturing
32551	Paint and Coating Manufacturing
32552	Adhesive Manufacturing
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing
32561	Soap and Cleaning Compound Manufacturing
325611	Soap and Other Detergent Manufacturing
325612	Polish and Other Sanitation Good Manufacturing
325613	Surface Active Agent Manufacturing
32562	Toilet Preparation Manufacturing
3259	Other Chemical Product and Preparation Manufacturing
32591	Printing Ink Manufacturing
32592	Explosives Manufacturing
32599	All Other Chemical Product and Preparation Manufacturing
325991	Custom Compounding of Purchased Resins
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing

326 Plastics and Rubber Products Manufacturing

3261	Plastics Product Manufacturing
32611	Unsupported Plastics Film, Sheet, and Bag Manufacturing
326111	Unsupported Plastics Bag Manufacturing
326112	Unsupported Plastics Packaging Film and Sheet Manufacturing
326113	Unsupported Plastics Film and Sheet (except Packaging) Manufacturing
32612	Plastics Pipe, Pipe Fitting, and Unsupported Profile Shape Manufacturing
326121	Unsupported Plastics Profile Shape Manufacturing
326122	Plastics Pipe and Pipe Fitting Manufacturing
32613	Laminated Plastics Plate, Sheet, and Shape Manufacturing
32614	Polystyrene Foam Product Manufacturing
32615	Urethane and Other Foam Product (except Polystyrene) Manufacturing
32616	Plastics Bottle Manufacturing
32619	Other Plastics Product Manufacturing
326191	Plastics Plumbing Fixture Manufacturing
326192	Resilient Floor Covering Manufacturing
326199	All Other Plastics Product Manufacturing
3262	Rubber Product Manufacturing
32621	Tire Manufacturing
326211	Tire Manufacturing (except Retreading)
326212	Tire Retreading
32622	Rubber and Plastics Hoses and Belting Manufacturing
32629	Other Rubber Product Manufacturing
326291	Rubber Product Manufacturing for Mechanical Use
326299	All Other Rubber Product Manufacturing

327 Nonmetallic Mineral Product Manufacturing		331411	Primary Smelting and Refining of Copper
3271 Clay Product and Refractory Manufacturing		331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)
32711 Pottery, Ceramics, and Plumbing Fixture Manufacturing		33142	Copper Rolling, Drawing, Extruding, and Alloying
327111 Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing		331421	Copper Rolling, Drawing, and Extruding
327112 Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing		331422	Copper Wire (except Mechanical) Drawing
327113 Porcelain Electrical Supply Manufacturing		331423	Secondary Smelting, Refining, and Alloying of Copper
32712 Clay Building Material and Refractories Mfg		33149	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying
327121 Brick and Structural Clay Tile Manufacturing		331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
327122 Ceramic Wall and Floor Tile Manufacturing		331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
327123 Other Structural Clay Product Manufacturing		3315	Foundries
327124 Clay Refractory Manufacturing		33151	Ferrous Metal Foundries
327125 Nonclay Refractory Manufacturing		331511	Iron Foundries
3272 Glass and Glass Product Manufacturing		331512	Steel Investment Foundries
32721 Glass and Glass Product Manufacturing		331513	Steel Foundries (except Investment)
327211 Flat Glass Manufacturing		33152	Nonferrous Metal Foundries
327212 Other Pressed and Blown Glass & Glassware Mfg		331521	Aluminum Die-Casting Foundries
327213 Glass Container Manufacturing		331522	Nonferrous (except Aluminum) Die-Casting Foundries
327215 Glass Product Manufacturing Made of Purchased Glass		331524	Aluminum Foundries (except Die-Casting)
3273 Cement and Concrete Product Manufacturing		331525	Copper Foundries (except Die-Casting)
32731 Cement Manufacturing		331528	Other Nonferrous Foundries (except Die-Casting)
32732 Ready-Mix Concrete Manufacturing		332 Fabricated Metal Product Manufacturing	
32733 Concrete Pipe, Brick, and Block Manufacturing		3321	Forging and Stamping
327331 Concrete Block and Brick Manufacturing		33211	Forging and Stamping
327332 Concrete Pipe Manufacturing		332111	Iron and Steel Forging
32739 Other Concrete Product Manufacturing		332112	Nonferrous Forging
3274 Lime and Gypsum Product Manufacturing		332114	Custom Roll Forming
32741 Lime Manufacturing		332115	Crown and Closure Manufacturing
32742 Gypsum Product Manufacturing		332116	Metal Stamping
3279 Other Nonmetallic Mineral Product Manufacturing		332117	Powder Metallurgy Part Manufacturing
32791 Abrasive Product Manufacturing		3322	Cutlery and Handtool Manufacturing
32799 All Other Nonmetallic Mineral Product Manufacturing		33221	Cutlery and Handtool Manufacturing
		332211	Cutlery and Flatware (except Precious) Manufacturing
327991 Cut Stone and Stone Product Manufacturing		332212	Hand and Edge Tool Manufacturing
327992 Ground or Treated Mineral and Earth Manufacturing		332213	Saw Blade and Handsaw Manufacturing
327993 Mineral Wool Manufacturing		332214	Kitchen Utensil, Pot, and Pan Manufacturing
327999 All Other Miscellaneous Nonmetallic Mineral Product Manufacturing		3323	Architectural and Structural Metals Manufacturing
		33231	Plate Work and Fabricated Structural Product Manufacturing
331 Primary Metal Manufacturing		332311	Prefabricated Metal Building and Component Manufacturing
3311 Iron and Steel Mills and Ferroalloy Manufacturing		332312	Fabricated Structural Metal Manufacturing
33111 Iron and Steel Mills and Ferroalloy Manufacturing		332313	Plate Work Manufacturing
331111 Iron and Steel Mills		33232	Ornamental and Architectural Metal Products Manufacturing
331112 Electrometallurgical Ferroalloy Product Manufacturing		332321	Metal Window and Door Manufacturing
3312 Steel Product Manufacturing from Purchased Steel		332322	Sheet Metal Work Manufacturing
33121 Iron and Steel Pipe and Tube Manufacturing from Purchased Steel		332323	Ornamental and Architectural Metal Work Manufacturing
33122 Rolling and Drawing of Purchased Steel		3324	Boiler, Tank, and Shipping Container Manufacturing
331221 Rolled Steel Shape Manufacturing		33241	Power Boiler and Heat Exchanger Manufacturing
331222 Steel Wire Drawing		33242	Metal Tank (Heavy Gauge) Manufacturing
3313 Alumina and Aluminum Production and Processing		33243	Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing
33131 Alumina and Aluminum Production and Processing		332431	Metal Can Manufacturing
331311 Alumina Refining		332439	Other Metal Container Manufacturing
331312 Primary Aluminum Production		3325	Hardware Manufacturing
331314 Secondary Smelting and Alloying of Aluminum		33251	Hardware Manufacturing
331315 Aluminum Sheet, Plate, and Foil Manufacturing		3326	Spring and Wire Product Manufacturing
331316 Aluminum Extruded Product Manufacturing		33261	Spring and Wire Product Manufacturing
331319 Other Aluminum Rolling and Drawing		332611	Spring (Heavy Gauge) Manufacturing
3314 Nonferrous Metal (except Aluminum) Production and Processing		332612	Spring (Light Gauge) Manufacturing
33141 Nonferrous Metal (exc Aluminum) Smelting & Refining		332618	Other Fabricated Wire Product Manufacturing
		3327	Machine Shops Turned Product and Screw, Nut, and Bolt Manufacturing
		33271	Machine Shops
		33272	Turned Product and Screw, Nut, and Bolt Manufacturing
		332721	Precision Turned Product Manufacturing
		332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing

3328	Coating, Engraving, Heat Treating, and Allied Activities	333411	Air Purification Equipment Manufacturing
33281	Coating, Engraving, Heat Treating, and Allied Activities	333412	Industrial and Commercial Fan and Blower Manufacturing
332811	Metal Heat Treating	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	3335	Metalworking Machinery Manufacturing
3329	Other Fabricated Metal Product Manufacturing	33351	Metalworking Machinery Manufacturing
33291	Metal Valve Manufacturing	333511	Industrial Mold Manufacturing
332911	Industrial Valve Manufacturing	333512	Machine Tool (Metal Cutting Types) Manufacturing
332912	Fluid Power Valve and Hose Fitting Manufacturing	333513	Machine Tool (Metal Forming Types) Manufacturing
332913	Plumbing Fixture Fitting and Trim Manufacturing	333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
332919	Other Metal Valve and Pipe Fitting Manufacturing	333515	Cutting Tool and Machine Tool Accessory Manufacturing
33299	All Other Fabricated Metal Product Manufacturing	333516	Rolling Mill Machinery and Equipment Manufacturing
332991	Ball and Roller Bearing Manufacturing	333518	Other Metalworking Machinery Manufacturing
332992	Small Arms Ammunition Manufacturing	3336	Engine, Turbine, and Power Transmission Equipment Manufacturing
332993	Ammunition (except Small Arms) Manufacturing	33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
332994	Small Arms Manufacturing	333611	Turbine and Turbine Generator Set Units Manufacturing
332995	Other Ordnance and Accessories Manufacturing	333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
332996	Fabricated Pipe and Pipe Fitting Manufacturing	333613	Mechanical Power Transmission Equipment Manufacturing
332997	Industrial Pattern Manufacturing	333618	Other Engine Equipment Manufacturing
332998	Enameled Iron and Metal Sanitary Ware Manufacturing	3339	Other General Purpose Machinery Manufacturing
332999	All Other Misc Fabricated Metal Product Mfg	33391	Pump and Compressor Manufacturing
333 Machinery Manufacturing		333911	Pump and Pumping Equipment Manufacturing
3331	Agriculture, Construction, and Mining Machinery Manufacturing	333912	Air and Gas Compressor Manufacturing
33311	Agricultural Implement Manufacturing	333913	Measuring and Dispensing Pump Manufacturing
333111	Farm Machinery and Equipment Manufacturing	33392	Material Handling Equipment Manufacturing
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing	333921	Elevator and Moving Stairway Manufacturing
33312	Construction Machinery Manufacturing	333922	Conveyor and Conveying Equipment Manufacturing
33313	Mining and Oil and Gas Field Machinery Manufacturing	333923	Overhead Traveling Crane, Hoist, & Monorail System Mfg
333131	Mining Machinery and Equipment Manufacturing	333924	Industrial Truck, Tractor, Trailer, & Stacker Machinery Mfg
333132	Oil and Gas Field Machinery and Equipment Manufacturing	33399	All Other General Purpose Machinery Manufacturing
3332	Industrial Machinery Manufacturing	333991	Power-Driven Handtool Manufacturing
33321	Sawmill and Woodworking Machinery Manufacturing	333992	Welding and Soldering Equipment Manufacturing
33322	Plastics and Rubber Industry Machinery Manufacturing	333993	Packaging Machinery Manufacturing
33329	Other Industrial Machinery Manufacturing	333994	Industrial Process Furnace and Oven Manufacturing
333291	Paper Industry Machinery Manufacturing	333995	Fluid Power Cylinder and Actuator Manufacturing
333292	Textile Machinery Manufacturing	333996	Fluid Power Pump and Motor Manufacturing
333293	Printing Machinery and Equipment Manufacturing	333997	Scale and Balance (except Laboratory) Manufacturing
333294	Food Product Machinery Manufacturing	333999	All Other Miscellaneous General Purpose Machinery Manufacturing
333295	Semiconductor Machinery Manufacturing	334 Computer and Electronic Product Manufacturing	
333298	All Other Industrial Machinery Manufacturing	3341	Computer and Peripheral Equipment Manufacturing
3333	Commercial and Service Industry Machinery Manufacturing	33411	Computer and Peripheral Equipment Manufacturing
33331	Commercial and Service Industry Machinery Manufacturing	334111	Electronic Computer Manufacturing
333311	Automatic Vending Machine Manufacturing	334112	Computer Storage Device Manufacturing
333312	Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing	334113	Computer Terminal Manufacturing
333313	Office Machinery Manufacturing	334119	Other Computer Peripheral Equipment Manufacturing
333314	Optical Instrument and Lens Manufacturing	3342	Communications Equipment Manufacturing
333315	Photographic & Photocopying Equipment Mfg	33421	Telephone Apparatus Manufacturing
333319	Other Commercial & Service Industry Machinery	33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
3334	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	33429	Other Communications Equipment Manufacturing
33341	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	3343	Audio and Video Equipment Manufacturing
		33431	Audio and Video Equipment Manufacturing
		3344	Semiconductor and Other Electronic Component Manufacturing
		33441	Semiconductor and Other Electronic Component Manufacturing
		334411	Electron Tube Manufacturing
		334412	Bare Printed Circuit Board Manufacturing
		334413	Semiconductor and Related Device Manufacturing
		334414	Electronic Capacitor Manufacturing
		334415	Electronic Resistor Manufacturing
		334416	Electronic Coil, Transformer, and Other Inductor Manufacturing

WHOLESALE TRADE

337 Furniture and Related Product Manufacturing

3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing
33711	Wood Kitchen Cabinet and Countertop Manufacturing
33712	Household and Institutional Furniture Manufacturing
337121	Upholstered Household Furniture Manufacturing
337122	Nonupholstered Wood Household Furniture Manufacturing
337124	Metal Household Furniture Manufacturing
337125	Household Furniture (except Wood and Metal) Manufacturing
337127	Institutional Furniture Manufacturing
337129	Wood Television, Radio, and Sewing Machine Cabinet Manufacturing
3372	Office Furniture (including Fixtures) Manufacturing
33721	Office Furniture (including Fixtures) Manufacturing
337211	Wood Office Furniture Manufacturing
337212	Custom Architectural Woodwork and Millwork Manufacturing
337214	Office Furniture (except Wood) Manufacturing
337215	Showcase, Partition, Shelving, and Locker Manufacturing
3379	Other Furniture Related Product Manufacturing
33791	Mattress Manufacturing
33792	Blind and Shade Manufacturing

339 Miscellaneous Manufacturing

3391	Medical Equipment and Supplies Manufacturing
33911	Medical Equipment and Supplies Manufacturing
339111	Laboratory Apparatus and Furniture Manufacturing
339112	Surgical and Medical Instrument Manufacturing
339113	Surgical Appliance and Supplies Manufacturing
339114	Dental Equipment and Supplies Manufacturing
339115	Ophthalmic Goods Manufacturing
339116	Dental Laboratories
3399	Other Miscellaneous Manufacturing
33991	Jewelry and Silverware Manufacturing
339911	Jewelry (except Costume) Manufacturing
339912	Silverware and Hollowware Manufacturing
339913	Jewelers' Material and Lapidary Work Manufacturing
339914	Costume Jewelry and Novelty Manufacturing
33992	Sporting and Athletic Goods Manufacturing
33993	Doll, Toy, and Game Manufacturing
339931	Doll and Stuffed Toy Manufacturing
339932	Game, Toy, and Children's Vehicle Manufacturing
33994	Office Supplies (except Paper) Manufacturing
339941	Pen and Mechanical Pencil Manufacturing
339942	Lead Pencil and Art Good Manufacturing
339943	Marking Device Manufacturing
339944	Carbon Paper and Inked Ribbon Manufacturing
33995	Sign Manufacturing
33999	All Other Miscellaneous Manufacturing
339991	Gasket, Packing, and Sealing Device Manufacturing
339992	Musical Instrument Manufacturing
339993	Fastener, Button, Needle, and Pin Manufacturing
339994	Broom, Brush, and Mop Manufacturing
339995	Burial Casket Manufacturing
339999	All Other Miscellaneous Manufacturing

42 Wholesale Trade

421	Wholesale Trade, Durable Goods
4211	Motor Vehicle and Motor Vehicle Parts and Supplies Wholesalers
42111	Automobile and Other Motor Vehicle Wholesalers
42112	Motor Vehicle Supplies and New Parts Wholesalers
42113	Tire and Tube Wholesalers
42114	Motor Vehicle Parts (Used) Wholesalers
4212	Furniture and Home Furnishing Wholesalers
42121	Furniture Wholesalers
42122	Home Furnishing Wholesalers
4213	Lumber and Other Construction Materials Wholesalers
42131	Lumber, Plywood, Millwork, and Wood Panel Wholesalers
42132	Brick, Stone, and Related Construction Material Wholesalers
42133	Roofing, Siding, and Insulation Material Wholesalers
42139	Other Construction Material Wholesalers
4214	Professional and Commercial Equipment and Supplies Wholesalers
42141	Photographic Equipment and Supplies Wholesalers
42142	Office Equipment Wholesalers
42143	Computer and Computer Peripheral Equipment and Software Wholesalers
42144	Other Commercial Equipment Wholesalers
42145	Medical, Dental, and Hospital Equipment and Supplies Wholesalers
42146	Ophthalmic Goods Wholesalers
42149	Other Professional Equipment and Supplies Wholesalers
4215	Metal and Mineral (except Petroleum) Wholesalers
42151	Metal Service Centers and Offices
42152	Coal and Other Mineral and Ore Wholesalers
4216	Electrical Goods Wholesalers
42161	Electrical Apparatus and Equipment, Wiring Supplies, and Construction Material Wholesalers
42162	Electrical Appliance, Television, and Radio Set Wholesalers
42169	Other Electronic Parts and Equipment Wholesalers
4217	Hardware, and Plumbing and Heating Equipment and Supplies Wholesalers
42171	Hardware Wholesalers
42172	Plumbing and Heating Equipment and Supplies (Hydronics) Wholesalers
42173	Warm Air Heating and Air-Conditioning Equipment and Supplies Wholesalers
42174	Refrigeration Equipment and Supplies Wholesalers
4218	Machinery, Equipment, and Supplies Wholesalers
42181	Construction and Mining (except Oil Well) Machinery and Equipment Wholesalers
42182	Farm and Garden Machinery and Equipment Wholesalers
42183	Industrial Machinery and Equipment Wholesalers
42184	Industrial Supplies Wholesalers
42185	Service Establishment Equipment and Supplies Wholesalers
42186	Transportation Equipment and Supplies (except Motor Vehicle) Wholesalers
4219	Miscellaneous Durable Goods Wholesalers
42191	Sporting and Recreational Goods and Supplies Wholesalers
42192	Toy and Hobby Goods and Supplies Wholesalers
42193	Recyclable Material Wholesalers
42194	Jewelry, Watch, Precious Stone, and Precious Metal Wholesalers
42199	Other Miscellaneous Durable Goods Wholesalers

422 Wholesale Trade, Nondurable Goods

- 4221 Paper and Paper Product Wholesalers
- 42211 Printing and Writing Paper Wholesalers
- 42212 Stationery and Office Supplies Wholesalers
- 42213 Industrial and Personal Service Paper Wholesalers
- 4222 Drugs and Druggists' Sundries Wholesalers
- 42221 Drugs and Druggists' Sundries Wholesalers
- 4223 Apparel, Piece Goods, and Notions Wholesalers
- 42231 Piece Goods, Notions, and Other Dry Goods Wholesalers
- 42232 Men's and Boys' Clothing and Furnishings Wholesalers
- 42233 Women's, Children's, and Infants' Clothing and Accessories Wholesalers
- 42234 Footwear Wholesalers
- 4224 Grocery and Related Product Wholesalers
- 42241 General Line Grocery Wholesalers
- 42242 Packaged Frozen Food Wholesalers
- 42243 Dairy Product (except Dried or Canned) Wholesalers
- 42244 Poultry and Poultry Product Wholesalers
- 42245 Confectionery Wholesalers
- 42246 Fish and Seafood Wholesalers
- 42247 Meat and Meat Product Wholesalers
- 42248 Fresh Fruit and Vegetable Wholesalers
- 42249 Other Grocery and Related Products Wholesalers
- 4225 Farm Product Raw Material Wholesalers
- 42251 Grain and Field Bean Wholesalers
- 42252 Livestock Wholesalers
- 42259 Other Farm Product Raw Material Wholesalers
- 4226 Chemical and Allied Products Wholesalers
- 42261 Plastics Materials and Basic Forms and Shapes Wholesalers
- 42269 Other Chemical and Allied Products Wholesalers
- 4227 Petroleum and Petroleum Products Wholesalers
- 42271 Petroleum Bulk Stations and Terminals
- 42272 Petroleum and Petroleum Products Wholesalers (except Bulk Stations and Terminals)
- 4228 Beer, Wine, and Distilled Alcoholic Beverage Wholesalers
- 42281 Beer and Ale Wholesalers
- 42282 Wine and Distilled Alcoholic Beverage Wholesalers
- 4229 Miscellaneous Nondurable Goods Wholesalers
- 42291 Farm Supplies Wholesalers
- 42292 Book, Periodical, and Newspaper Wholesalers
- 42293 Flower, Nursery Stock, and Florists' Supplies Wholesalers
- 42294 Tobacco and Tobacco Product Wholesalers
- 42295 Paint, Varnish, and Supplies Wholesalers
- 42299 Other Miscellaneous Nondurable Goods Wholesalers

RETAIL TRADE**441 Motor Vehicle and Parts Dealers**

- 4411 Automobile Dealers
- 44111 New Car Dealers
- 44112 Used Car Dealers
- 4412 Other Motor Vehicle Dealers
- 44121 Recreational Vehicle Dealers
- 44122 Motorcycle, Boat, and Other Motor Vehicle Dealers
- 441221 Motorcycle Dealers
- 441222 Boat Dealers
- 441229 All Other Motor Vehicle Dealers
- 4413 Automotive Parts, Accessories, and Tire Stores
- 44131 Automotive Parts and Accessories Stores
- 44132 Tire Dealers

442 Furniture and Home Furnishings Stores

- 4421 Furniture Stores
- 44211 Furniture Stores
- 4422 Home Furnishings Stores
- 44221 Floor Covering Stores
- 44229 Other Home Furnishings Stores
- 442291 Window Treatment Stores
- 442299 All Other Home Furnishings Stores

443 Electronics and Appliance Stores

- 4431 Electronics and Appliance Stores
- 44311 Appliance, Television, and Other Electronics Stores
- 443111 Household Appliance Stores
- 443112 Radio, Television, and Other Electronics Stores
- 44312 Computer and Software Stores
- 44313 Camera and Photographic Supplies Stores

444 Building Material and Garden Equipment and Supplies Dealers

- 4441 Building Material and Supplies Dealers
- 44411 Home Centers
- 44412 Paint and Wallpaper Stores
- 44413 Hardware Stores
- 44419 Other Building Material Dealers
- 4442 Lawn and Garden Equipment and Supplies Stores
- 44421 Outdoor Power Equipment Stores
- 44422 Nursery and Garden Centers

445 Food and Beverage Stores

- 4451 Grocery Stores
- 44511 Supermarkets and Other Grocery (except Convenience) Stores
- 44512 Convenience Stores
- 4452 Specialty Food Stores
- 44521 Meat Markets
- 44522 Fish and Seafood Markets
- 44523 Fruit and Vegetable Markets
- 44529 Other Specialty Food Stores
- 445291 Baked Goods Stores
- 445292 Confectionery and Nut Stores
- 445299 All Other Specialty Food Stores
- 4453 Beer, Wine, and Liquor Stores
- 44531 Beer, Wine, and Liquor Stores

446 Health and Personal Care Stores

- 4461 Health and Personal Care Stores
- 44611 Pharmacies and Drug Stores
- 44612 Cosmetics, Beauty Supplies, and Perfume Stores
- 44613 Optical Goods Stores
- 44619 Other Health and Personal Care Stores
- 446191 Food (Health) Supplement Stores
- 446199 All Other Health and Personal Care Stores

447 Gasoline Stations

- 4471 Gasoline Stations
- 44711 Gasoline Stations with Convenience Stores
- 44719 Other Gasoline Stations

448 Clothing and Clothing Accessories Stores

- 4481 Clothing Stores
- 44811 Men's Clothing Stores
- 44812 Women's Clothing Stores
- 44813 Children's and Infants' Clothing Stores
- 44814 Family Clothing Stores
- 44815 Clothing Accessories Stores
- 44819 Other Clothing Stores
- 4482 Shoe Stores
- 44821 Shoe Stores
- 4483 Jewelry, Luggage, and Leather Goods Stores
- 44831 Jewelry Stores
- 44832 Luggage and Leather Goods Stores

451 Sporting Goods, Hobby, Book, and Music Stores

4511	Sporting Goods, Hobby, and Musical Instrument Stores
45111	Sporting Goods Stores
45112	Hobby, Toy, and Game Stores
45113	Sewing, Needlework, and Piece Goods Stores
45114	Musical Instrument and Supplies Stores
4512	Book, Periodical, and Music Stores
45121	Book Stores and News Dealers
451211	Book Stores
451212	News Dealers and Newsstands
45122	Prerecorded Tape, Compact Disc, and Record Stores

452 General Merchandise Stores

4521	Department Stores
45211	Department Stores
4529	Other General Merchandise Stores
45291	Warehouse Clubs and Superstores
45299	All Other General Merchandise Stores

453 Miscellaneous Store Retailers

4531	Florists
45311	Florists
4532	Office Supplies, Stationery, and Gift Stores
45321	Office Supplies and Stationery Stores
45322	Gift, Novelty, and Souvenir Stores
4533	Used Merchandise Stores
45331	Used Merchandise Stores
4539	Other Miscellaneous Store Retailers
45391	Pet and Pet Supplies Stores
45392	Art Dealers
45393	Manufactured (Mobile) Home Dealers
45399	All Other Miscellaneous Store Retailers
453991	Tobacco Stores
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)

454 Nonstore Retailers

4541	Electronic Shopping and Mail-Order Houses
45411	Electronic Shopping and Mail-Order Houses
4542	Vending Machine Operators
45421	Vending Machine Operators
4543	Direct Selling Establishments
45431	Fuel Dealers
454311	Heating Oil Dealers
454312	Liquefied Petroleum Gas (Bottled Gas) Dealers
454319	Other Fuel Dealers
45439	Other Direct Selling Establishments

TRANSPORTATION AND WAREHOUSEING**481 Air Transportation**

4811	Scheduled Air Transportation
48111	Scheduled Air Transportation
481111	Scheduled Passenger Air Transportation
481112	Scheduled Freight Air Transportation
4812	Nonscheduled Air Transportation
48121	Nonscheduled Air Transportation
481211	Nonscheduled Chartered Passenger Air Transportation
481212	Nonscheduled Chartered Freight Air Transportation
481219	Other Nonscheduled Air Transportation

482 Rail Transportation

4821	Rail Transportation
48211	Rail Transportation
482111	Line-Haul Railroads
482112	Short Line Railroads

483 Water Transportation

4831	Deep Sea, Coastal, and Great Lakes Water Transportation
48311	Deep Sea, Coastal, and Great Lakes Water Transportation
483111	Deep Sea Freight Transportation
483112	Deep Sea Passenger Transportation
483113	Coastal and Great Lakes Freight Transportation
483114	Coastal and Great Lakes Passenger Transportation
4832	Inland Water Transportation
48321	Inland Water Transportation
483211	Inland Water Freight Transportation
483212	Inland Water Passenger Transportation

484 Truck Transportation

4841	General Freight Trucking
48411	General Freight Trucking, Local
48412	General Freight Trucking, Long-Distance
484121	General Freight Trucking, Long-Distance, Truckload
484122	General Freight Trucking, Long-Distance, Less Than Truckload
4842	Specialized Freight Trucking
48421	Used Household and Office Goods Moving
48422	Specialized Freight (except Used Goods) Trucking, Local
48423	Specialized Freight (except Used Goods) Trucking, Long-Distance

485 Transit and Ground Passenger Transportation

4851	Urban Transit Systems
48511	Urban Transit Systems
485111	Mixed Mode Transit Systems
485112	Commuter Rail Systems
485113	Bus and Other Motor Vehicle Transit Systems
485119	Other Urban Transit Systems
4852	Interurban and Rural Bus Transportation
48521	Interurban and Rural Bus Transportation
4853	Taxi and Limousine Service
48531	Taxi Service
48532	Limousine Service
4854	School and Employee Bus Transportation
48541	School and Employee Bus Transportation
4855	Charter Bus Industry
48551	Charter Bus Industry
4859	Other Transit and Ground Passenger Transportation
48599	Other Transit and Ground Passenger Transportation
485991	Special Needs Transportation
485999	All Other Transit and Ground Passenger Transportation

486 Pipeline Transportation

4861	Pipeline Transportation of Crude Oil
48611	Pipeline Transportation of Crude Oil
4862	Pipeline Transportation of Natural Gas
48621	Pipeline Transportation of Natural Gas
4869	Other Pipeline Transportation
48691	Pipeline Transportation of Refined Petroleum Products
48699	All Other Pipeline Transportation

487 Scenic and Sightseeing Transportation

4871	Scenic and Sightseeing Transportation, Land
48711	Scenic and Sightseeing Transportation, Land
4872	Scenic and Sightseeing Transportation, Water
48721	Scenic and Sightseeing Transportation, Water
4879	Scenic and Sightseeing Transportation, Other
48799	Scenic and Sightseeing Transportation, Other

488 Support Activities for Transportation

4881 Support Activities for Air Transportation
 48811 Airport Operations
 488111 Air Traffic Control
 488119 Other Airport Operations
 48819 Other Support Activities for Air Transportation
 4882 Support Activities for Rail Transportation
 48821 Support Activities for Rail Transportation
 4883 Support Activities for Water Transportation
 48831 Port and Harbor Operations
 48832 Marine Cargo Handling
 48833 Navigational Services to Shipping
 48839 Other Support Activities for Water Transportation
 4884 Support Activities for Road Transportation
 48841 Motor Vehicle Towing
 48849 Other Support Activities for Road Transportation
 4885 Freight Transportation Arrangement
 48851 Freight Transportation Arrangement
 4889 Other Support Activities for Transportation
 48899 Other Support Activities for Transportation
 488991 Packing and Crating
 488999 All Other Support Activities for Transportation

491 Postal Service

4911 Postal Service
 49111 Postal Service

492 Couriers and Messengers

4921 Couriers
 49211 Couriers
 4922 Local Messengers and Local Delivery
 49221 Local Messengers and Local Delivery

493 Warehousing and Storage

4931 Warehousing and Storage
 49311 General Warehousing and Storage
 49312 Refrigerated Warehousing and Storage
 49313 Farm Product Warehousing and Storage
 49319 Other Warehousing and Storage

INFORMATION**51 Information**

511 Publishing Industries
 5111 Newspaper, Periodical, Book, and Database Publishers
 51111 Newspaper Publishers
 51112 Periodical Publishers
 51113 Book Publishers
 51114 Database and Directory Publishers
 51119 Other Publishers
 511191 Greeting Card Publishers
 511199 All Other Publishers
 5112 Software Publishers
 51121 Software Publishers

512 Motion Picture and Sound Recording Industries

5121 Motion Picture and Video Industries
 51211 Motion Picture and Video Production
 51212 Motion Picture and Video Distribution
 51213 Motion Picture and Video Exhibition
 512131 Motion Picture Theaters (except Drive-Ins)
 512132 Drive-In Motion Picture Theaters
 51219 Postproduction Services and Other Motion Picture and Video Industries

512191 Teleproduction and Other Postproduction Services
 512199 Other Motion Picture and Video Industries
 5122 Sound Recording Industries
 51221 Record Production
 51222 Integrated Record Production/Distribution
 51223 Music Publishers
 51224 Sound Recording Studios
 51229 Other Sound Recording Industries

513 Broadcasting and Telecommunications

5131 Radio and Television Broadcasting
 51311 Radio Broadcasting
 513111 Radio Networks
 513112 Radio Stations
 51312 Television Broadcasting
 5132 Cable Networks and Program Distribution
 51321 Cable Networks
 51322 Cable and Other Program Distribution
 5133 Telecommunications
 51331 Wired Telecommunications Carriers
 51332 Wireless Telecommunications Carriers (except Satellite)
 513321 Paging
 513322 Cellular and Other Wireless Telecommunications
 51333 Telecommunications Resellers
 51334 Satellite Telecommunications
 51339 Other Telecommunications

514 Information Services and Data Processing Services

5141 Information Services
 51411 News Syndicates
 51412 Libraries and Archives
 51419 Other Information Services
 514191 On-Line Information Services
 514199 All Other Information Services
 5142 Data Processing Services
 51421 Data Processing Services

FINANCE AND INSURANCE**521 Monetary Authorities - Central Bank**

5211 Monetary Authorities - Central Bank
 52111 Monetary Authorities - Central Bank

522 Credit Intermediation and Related Activities

5221 Depository Credit Intermediation
 52211 Commercial Banking
 52212 Savings Institutions
 52213 Credit Unions
 52219 Other Depository Credit Intermediation
 5222 Nondepository Credit Intermediation
 52221 Credit Card Issuing
 52222 Sales Financing
 52229 Other Nondepository Credit Intermediation
 522291 Consumer Lending
 522292 Real Estate Credit
 522293 International Trade Financing
 522294 Secondary Market Financing
 522298 All Other Nondepository Credit Intermediation
 5223 Activities Related to Credit Intermediation
 52231 Mortgage and Nonmortgage Loan Brokers
 52232 Financial Transactions Processing, Reserve, and Clearinghouse Activities
 52239 Other Activities Related to Credit Intermediation

523 Securities, Commodity Contracts, and Other Financial Investments and Related Activities

- 5231 Securities and Commodity Contracts Intermediation and Brokerage
- 52311 Investment Banking and Securities Dealing
- 52312 Securities Brokerage
- 52313 Commodity Contracts Dealing
- 52314 Commodity Contracts Brokerage
- 5232 Securities and Commodity Exchanges
- 52321 Securities and Commodity Exchanges
- 5239 Other Financial Investment Activities
- 52391 Miscellaneous Intermediation
- 52392 Portfolio Management
- 52393 Investment Advice
- 52399 All Other Financial Investment Activities
- 523991 Trust, Fiduciary, and Custody Activities
- 523999 Miscellaneous Financial Investment Activities

524 Insurance Carriers and Related Activities

- 5241 Insurance Carriers
- 52411 Direct Life, Health, and Medical Insurance Carriers
- 524113 Direct Life Insurance Carriers
- 524114 Direct Health and Medical Insurance Carriers
- 52412 Direct Insurance (except Life, Health, and Medical) Carriers
- 524126 Direct Property and Casualty Insurance Carriers
- 524127 Direct Title Insurance Carriers
- 524128 Other Direct Insurance (except Life, Health, and Medical) Carriers
- 52413 Reinsurance Carriers
- 5242 Agencies, Brokerages, and Other Insurance Related Activities
- 52421 Insurance Agencies and Brokerages
- 52429 Other Insurance Related Activities
- 524291 Claims Adjusting
- 524292 Third Party Administration of Insurance and Pension Funds
- 524298 All Other Insurance Related Activities

525 Funds, Trusts, and Other Financial Vehicles

- 5251 Insurance and Employee Benefit Funds
- 52511 Pension Funds
- 52512 Health and Welfare Funds
- 52519 Other Insurance Funds
- 5259 Other Investment Pools and Funds
- 52591 Open-End Investment Funds
- 52592 Trusts, Estates, and Agency Accounts
- 52593 Real Estate Investment Trusts
- 52599 Other Financial Vehicles

REAL ESTATE AND RENTAL AND LEASING

53 Real Estate and Rental and Leasing

- 531 Real Estate
- 5311 Lessors of Real Estate
- 53111 Lessors of Residential Buildings and Dwellings
- 53112 Lessors of Nonresidential Buildings (except Miniwarehouses)
- 53113 Lessors of Miniwarehouses and Self-Storage Units
- 53119 Lessors of Other Real Estate Property
- 5312 Offices of Real Estate Agents and Brokers
- 53121 Offices of Real Estate Agents and Brokers
- 5313 Activities Related to Real Estate
- 53131 Real Estate Property Managers
- 531311 Residential Property Managers
- 531312 Nonresidential Property Managers
- 53132 Offices of Real Estate Appraisers
- 53139 Other Activities Related to Real Estate

532 Rental and Leasing Services

- 5321 Automotive Equipment Rental and Leasing
- 53211 Passenger Car Rental and Leasing
- 532111 Passenger Car Rental
- 532112 Passenger Car Leasing
- 53212 Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing
- 5322 Consumer Goods Rental
- 53221 Consumer Electronics and Appliances Rental
- 53222 Formal Wear and Costume Rental
- 53223 Video Tape and Disc Rental
- 53229 Other Consumer Goods Rental
- 532291 Home Health Equipment Rental
- 532292 Recreational Goods Rental
- 532299 All Other Consumer Goods Rental
- 5323 General Rental Centers
- 53231 General Rental Centers
- 5324 Commercial and Industrial Machinery and Equipment Rental and Leasing
- 53241 Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing
- 532411 Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
- 532412 Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
- 53242 Office Machinery and Equipment Rental and Leasing
- 53249 Other Commercial and Industrial Machinery and Equipment Rental and Leasing

533 Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)

- 5331 Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
- 53311 Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)

PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES

- 54 Professional, Scientific, and Technical Services
- 541 Professional, Scientific, and Technical Services
- 5411 Legal Services
- 54111 Offices of Lawyers
- 54112 Offices of Notaries
- 54119 Other Legal Services
- 541191 Title Abstract and Settlement Offices
- 541199 All Other Legal Services
- 5412 Accounting, Tax Preparation, Bookkeeping, and Payroll Services
- 54121 Accounting, Tax Preparation, Bookkeeping, and Payroll Services
- 541211 Offices of Certified Public Accountants
- 541213 Tax Preparation Services
- 541214 Payroll Services
- 541219 Other Accounting Services
- 5413 Architectural, Engineering, and Related Services
- 54131 Architectural Services
- 54132 Landscape Architectural Services
- 54133 Engineering Services
- 54134 Drafting Services
- 54135 Building Inspection Services
- 54136 Geophysical Surveying and Mapping Services
- 54137 Surveying and Mapping (except Geophysical) Services
- 54138 Testing Laboratories

5414 Specialized Design Services
 54141 Interior Design Services
 54142 Industrial Design Services
 54143 Graphic Design Services
 54149 Other Specialized Design Services
 5415 Computer Systems Design and Related Services
 54151 Computer Systems Design and Related Services
 541511 Custom Computer Programming Services
 541512 Computer Systems Design Services
 541513 Computer Facilities Management Services
 541519 Other Computer Related Services
 5416 Management, Scientific, and Technical Consulting Services
 54161 Management Consulting Services
 541611 Administrative Management and General Management Consulting Services
 541612 Human Resources and Executive Search Consulting Services
 541613 Marketing Consulting Services
 541614 Process, Physical Distribution, and Logistics Consulting Services
 541618 Other Management Consulting Services
 54162 Environmental Consulting Services
 54169 Other Scientific and Technical Consulting Services
 5417 Scientific Research and Development Services
 54171 Research and Development in the Physical, Engineering, and Life Sciences
 54172 Research and Development in the Social Sciences and Humanities
 5418 Advertising and Related Services
 54181 Advertising Agencies
 54182 Public Relations Agencies
 54183 Media Buying Agencies
 54184 Media Representatives
 54185 Display Advertising
 54186 Direct Mail Advertising
 54187 Advertising Material Distribution Services
 54189 Other Services Related to Advertising
 5419 Other Professional, Scientific, and Technical Services
 54191 Marketing Research and Public Opinion Polling
 54192 Photographic Services
 541921 Photography Studios, Portrait
 541922 Commercial Photography
 54193 Translation and Interpretation Services
 54194 Veterinary Services
 54199 All Other Professional, Scientific, and Technical Services

MANAGEMENT OF COMPANIES AND ENTERPRISES

55 Management of Companies and Enterprises
 551 Management of Companies and Enterprises
 5511 Management of Companies and Enterprises
 55111 Management of Companies and Enterprises
 551111 Offices of Bank Holding Companies
 551112 Offices of Other Holding Companies
 551114 Corporate, Subsidiary, and Regional Managing Offices

ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES

56 Administrative and Support and Waste Management and Remediation Services
 561 Administrative and Support Services
 5611 Office Administrative Services
 56111 Office Administrative Services
 5612 Facilities Support Services
 56121 Facilities Support Services
 5613 Employment Services
 56131 Employment Placement Agencies
 56132 Temporary Help Services
 56133 Employee Leasing Services
 5614 Business Support Services
 56141 Document Preparation Services
 56142 Telephone Call Centers
 561421 Telephone Answering Services
 561422 Telemarketing Bureaus
 56143 Business Service Centers
 561431 Private Mail Centers
 561439 Other Business Service Centers (including Copy Shops)
 56144 Collection Agencies
 56145 Credit Bureaus
 56149 Other Business Support Services
 561491 Repossession Services
 561492 Court Reporting and Stenotype Services
 561499 All Other Business Support Services
 5615 Travel Arrangement and Reservation Services
 56151 Travel Agencies
 56152 Tour Operators
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 56161 Investigation, Guard, and Armored Car Services
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 56162 Security Systems Services
 561621 Security Systems Services (except Locksmiths)
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- 62133 Offices of Mental Health Practitioners (except Physicians)
- 62134 Offices of Physical, Occupational and Speech Therapists, and Audiologists
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- 72112 Casino Hotels
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- 8111 Automotive Repair and Maintenance
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- 811111 General Automotive Repair
- 811112 Automotive Exhaust System Repair
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- 81112 Automotive Body, Paint, Interior, and Glass Repair
- 811121 Automotive Body, Paint, and Interior Repair and Maintenance
- 811122 Automotive Glass Replacement Shops
- 81119 Other Automotive Repair and Maintenance
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- 8112 Electronic and Precision Equipment Repair and Maintenance
- 81121 Electronic and Precision Equipment Repair and Maintenance
- 811211 Consumer Electronics Repair and Maintenance
- 811212 Computer and Office Machine Repair and Maintenance
- 811213 Communication Equipment Repair and Maintenance
- 811219 Other Electronic and Precision Equipment Repair and Maintenance
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- 81141 Home & Garden Equipment & Appliance Repair & Maintenance
- 811411 Home and Garden Equipment Repair and Maintenance
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- 81142 Reupholstery and Furniture Repair
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81211	Hair, Nail, and Skin Care Services
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81219	Other Personal Care Services
812191	Diet and Weight Reducing Centers
812199	Other Personal Care Services
8122	Death Care Services
81221	Funeral Homes and Funeral Services
81222	Cemeteries and Crematories
8123	Drycleaning and Laundry Services
81231	Coin-Operated Laundries and Drycleaners
81232	Drycleaning and Laundry Services (except Coin-Operated)
81233	Linen and Uniform Supply
812331	Linen Supply
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8129	Other Personal Services
81291	Pet Care (except Veterinary) Services
81292	Photofinishing
812921	Photofinishing Laboratories (except One-Hour)
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81311	Religious Organizations
8132	Grantmaking and Giving Services
81321	Grantmaking and Giving Services
813211	Grantmaking Foundations
813212	Voluntary Health Organizations
813219	Other Grantmaking and Giving Services
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8134	Civic and Social Organizations
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9211	Executive, Legislative, and Other General Government Support
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92112	Legislative Bodies
92113	Public Finance Activities
92114	Executive and Legislative Offices, Combined
92115	American Indian and Alaska Native Tribal Governments
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922 Justice, Public Order, and Safety Activities

9221	Justice, Public Order, and Safety Activities
92211	Courts
92212	Police Protection
92213	Legal Counsel and Prosecution
92214	Correctional Institutions
92215	Parole Offices and Probation Offices
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92219	Other Justice, Public Order, and Safety Activities

923 Administration of Human Resource Programs

9231	Administration of Human Resource Programs
92311	Administration of Education Programs
92312	Administration of Public Health Programs
92313	Administration of Human Resource Programs (except Education, Public Health, and Veterans' Affairs Programs)
92314	Administration of Veterans' Affairs

924 Administration of Environmental Quality Programs

9241	Administration of Environmental Quality Programs
92411	Administration of Air and Water Resource and Solid Waste Management Programs
92412	Administration of Conservation Programs

925 Administration of Housing Programs, Urban Planning, and Community Development

9251	Administration of Housing Programs, Urban Planning, and Community Development
92511	Administration of Housing Programs
92512	Administration of Urban Planning and Community and Rural Development

926 Administration of Economic Programs

9261	Administration of Economic Programs
92611	Administration of General Economic Programs
92612	Regulation and Administration of Transportation Programs
92613	Regulation and Administration of Communications, Electric, Gas, and Other Utilities
92614	Regulation of Agricultural Marketing and Commodities
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927 Space Research and Technology

9271	Space Research and Technology
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9281	National Security and International Affairs
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APPENDIX I

TRANSFER FACILITY GUIDANCE

Overview

This fact sheet briefly outlines the amendments for hazardous waste facilities that, during transport, mix, combine, commingle, bulk, repack (except in response to leaking containers or containers in poor condition), pump hazardous waste from one vehicle to another, transfer hazardous waste (including containerized hazardous waste) from one vehicle to another, or open hazardous waste containers for purposes other than for sampling, to notify IDEM of their existence.

Citations Affected

Amends 329 IAC 3.1-8-2

Adds 329 IAC 3.1-8-4

Affected Persons

These proposed amendments affect hazardous waste transfer facilities that perform certain activities as listed above.

Reason(s) for the Rule

There are few standards governing activities at hazardous waste transfer facilities. The purpose of this rulemaking is to locate and identify hazardous waste transfer facilities that conduct hazardous waste activities as detailed above.

Economic Impact of the Rule

The Indiana Department of Environmental Management (IDEM) has determined that this rule will have no fiscal impact on state or local governments since the state and local governments do not own hazardous waste transfer facilities. The economic impact on industry owned or operated transfer facilities will be minimal; only the cost of sending a written notification to IDEM.

Benefits of the Rule

This rulemaking should assist in preventing hazardous waste releases into the environment from these types of activities.

Notification Must Include the Following:

New hazardous waste transfer facilities must submit notification at least thirty (30) days before the hazardous waste management activities begin.

- (A) name;
- (B) location and mailing address;
- (C) telephone number;
- (D) owner's name;
- (E) owner's mailing address;
- (F) owner's telephone number;
- (G) operator's name
- (H) operator's mailing address; and
- (I) operator's telephone number.
- (J) a description of the hazardous waste management activities that the owner or operator of the hazardous waste transfer facility conducts.

IDEM Contact and Mailing Address

Contact Marilyn Hansen (317) 232-7956 or (800) 451-6027 (In Indiana) or mjhansen@dem.state.in.us for further assistance.

APPENDIX J

COMPLYING WITH INDIANA'S USED OIL RULE 329 IAC 13

Used oil can be a valuable resource when it is properly managed to avoid release to the environment and recycled for utilization of its lubricant or fuel value. Effective March 5, 1997, the State of Indiana has adopted Used Oil Management Standards, codified in Indiana Administrative Code 329 IAC 13, to encourage the recycling of used oil and promote its environmentally sound collection, storage, and management. This Rule incorporates substantially all of the Federal Standards for the Management of Used Oil, 40 CFR 279, with certain modifications and additions relating to mixing hazardous waste with used oil and prohibiting the use of used oil as a dust suppressant. The following information briefly summarizes what and who is subject to the Used Oil Rule, and a table outlining the management standards applying to used oil handlers subject to this Rule may be found on the reverse of this page.

What is potentially regulated under the Rule as used oil?

Used oil is defined as any oil that has been refined from crude oil, or is a synthetic oil, and has been used and as a result of such use is contaminated by physical or chemical impurities. Used oils may include lubricants, hydraulic fluids, and heat transfer fluids, including commonly generated oils such as motor oil, hydraulic oils, metalworking oils, wire drawing solutions, refrigeration oil, or electrical insulating oil. Oil wastes originating from virgin (unused) oil, oils used solely for their solvent properties, and animal and vegetable oils are not regulated as used oil.

This Rule applies to used oils that are destined for recycling. Once it is determined that used oil will be disposed rather than recycled, it becomes subject to applicable hazardous or solid waste rules, rather than the Used Oil Rule. If used oil that is to be recycled has acquired contaminants or hazardous characteristics from product formulation or through its intended use, it is regulated under the Used Oil Rule rather than as a hazardous waste, even if it exhibits hazardous characteristics. However, used oil that is mixed with a RCRA-regulated listed or characteristic hazardous waste is subject to regulation under the hazardous waste rules, 329 IAC 3.1. Used oil that contains greater than 1,000 parts per million total halogens is presumed to have been mixed with a listed hazardous waste unless it can be demonstrated that the source of the halogens was not from hazardous waste mixing (commonly referred to as “rebuttable presumption”).

Who is subject to regulation under the Rule?

Anyone who generates or handles used oil, regardless of the volume involved, must comply with the applicable management standards in this Rule, with the exception of:

- ▶ household do-it-yourselfer used oil generators
- ▶ farmers generating an average of 25 gallons or less of used oil per month in a calendar year
- ▶ used oil generated on vessels while at sea or port (regulated upon removal from vessel)
- ▶ used oil after mixing with diesel fuel when for the generator's own use

The Rule sets management requirements specific to the following categories of used oil handlers:

- ▶ used oil generators (minimal container management & spill cleanup)
- ▶ used oil collection centers and aggregation points (same as for generators)
- ▶ used oil transporters and transfer facilities (includes additional recordkeeping)
- ▶ used oil processors and re-refiners (additional recordkeeping & emergency preparedness)
- ▶ used oil burners (off-specification used oil for energy recovery) (additional recordkeeping)
- ▶ used oil fuel marketers (recordkeeping)

A summary of these management standards for each used oil handler category is given in the table on the reverse. It should be noted that the Rule also prohibits the use of used oil as a dust suppressant (in addition, Indiana Code IC 13-30-2-1-14 prohibits the application of used oil to any ground surface), and it prohibits storage or management of used oil in surface impoundments.

For more information:

Contact IDEM's Office of Land Quality at 317/308-3103 or the IDEM toll-free number 1-800/451-6027.

USED OIL MANAGEMENT STANDARDS

329 IAC 13

	GENERATOR/ COLLECTION CENTERS (Rules 4 and 5*)	TRANSPORTER/ TRANSFER FACILITY (Rule 6)	PROCESSOR/ RE-REFINER (Rule 7)	OFF-SPECIFICATION BURNER (Rule 8)	MARKETER (Rule 9)
Storage in Containers and Aboveground Tanks ¹	Good Condition	Good Condition	Good Condition	Good Condition	N\A
Labels for Tanks and Containers ²	Yes	Yes	Yes	Yes	N\A
Secondary Containment System (Oil Impervious Berm, Dike, or Retaining Wall and Floor)	No	Yes, for transfer facilities No for transporters	Yes	Yes	N\A
Environmental Release Cleanup	Yes	Yes	Yes	Yes	N\A
EPA Identification Number and Notification	No	Yes	Yes	Yes	Yes
Tracking	No	Acceptance and delivery records	Acceptance and delivery records	Acceptance records	On-specification or off-specification delivery records
Analysis	No, except information or testing if needed to rebut the hazardous waste mixing presumption	Yes, information or testing if needed to rebut the hazardous waste mixing presumption	Create and follow analysis plan that details how the hazardous waste mixing presumption will be rebutted	Yes, information or testing if needed to rebut the hazardous waste mixing presumption	Yes, information or testing if needed to make on-specification determination
Recordkeeping (for Three Years)	No	Yes, information or testing data if needed to rebut the hazardous waste mixing presumption; acceptance and delivery records	Information or testing data to rebut the hazardous waste mixing presumption; acceptance and delivery records	Yes, information or testing data if needed to rebut the hazardous waste mixing presumption; acceptance records	If claiming on-specification, information or testing data used to make determination; if claiming off-specification, burner certification; delivery records
Preparedness and Contingency Plans	No	No	Yes, same as Part 264/265, Subpart D	No	N\A
Biennial Reporting	No	No	Yes	No	N\A
Unit Closure	No	No	Yes, same as Part 264/265, Subpart G	No	N\A
Dust Suppressant Ban	Yes	Yes	Yes	Yes	N\A
Surface Impoundment Ban	Yes	Yes	Yes	Yes	N\A

* Generator requirements also apply to aggregation points and collection centers.

¹ Storage in underground tanks is regulated under RCRA Subtitle I, 40 CFR 280.

² Tanks and containers must be labeled with the words "Used Oil".

APPENDIX K

UNIVERSAL WASTE RULE 329 IAC 3.1-16

The Universal Waste Rule is a modification of the Hazardous Waste Rules, enacted under the Resource Conservation and Recovery Act (RCRA), which is designed to reduce regulatory management requirements so as to foster the environmentally sound recycling or disposal of certain specified categories of commonly generated hazardous wastes. This Rule was originally promulgated by the U.S. Environmental Protection Agency as 40 CFR 273, Astandards for Universal Waste Management,® and applied to three general categories of widely generated (i.e., Auniversal®) hazardous wastes: (1) waste batteries; (2) certain recalled, obsolete or unused pesticide products; and (3) discarded mercury-containing thermostats. Indiana has incorporated this Rule by reference in the Indiana Administrative Code at 329 IAC 3.1-16, including a fourth universal waste category, hazardous waste lamps, promulgated in the Federal rule on July 6, 1999, and adopted in the Indiana rule on May 4, 2001, to replace the Amercury-containing lamp® category formerly added to the Indiana rule.

The effect of the Universal Waste Rule is to reduce the regulatory requirements applying to the handling of these specific wastes, which otherwise would be subject to full hazardous waste regulation under RCRA. This in turn serves as an incentive to channel these wastes into collection and recycling programs, diverting them from less environmentally desirable modes of disposal such as landfilling or incineration.

What are Universal Wastes?

This Rule does not potentially apply unless a waste is first a characteristic or listed hazardous waste by definition under 40 CFR 261. The Rule presently further limits the realm of wastes defined as Auniversal wastes® to four specific but widely generated categories:

- (1) Universal waste batteries - This includes discarded primary (non-rechargeable) and secondary (rechargeable) batteries that contain elements such as cadmium, lead, or mercury, which would render them RCRA-hazardous. Examples are nickel-cadmium (Ni-Cad), sealed lead-acid, or mercury-oxide batteries. Lead-acid batteries (such as automotive batteries) that are generated, transported, or collected to be reclaimed, or regenerated, but not reclaimed where stored, under provisions of 40 CFR 266, Subpart G, ASpent Lead-Acid Batteries Being Reclaimed,® do not need to be managed as universal waste. However, waste lead-acid batteries not managed, or eligible for management, under 40 CFR 266, Subpart G, are subject to the Universal Waste Rule requirements. Lead-acid batteries that are stored at facilities that reclaim them are subject to RCRA regulation as specified in 40 CFR 266.80(b).

Many commonly generated waste batteries, such as dry cell zinc-carbon and alkaline (Along life®) batteries, typically do not contain appreciable amounts of the hazardous elements of concern, and hence would not be required to be managed as universal waste. However, they may be managed along with universal waste batteries, and this is encouraged in the interest of diverting them from less desirable disposal destinies such as incineration or disposal in solid waste landfills.

- (2) Universal waste pesticides - Several classes of discarded pesticides that would otherwise be regulated as characteristic or listed hazardous waste may be eligible for management under the Universal Waste Rule:
 - (a) Stocks of unused suspended or canceled pesticides that are subject to a voluntary or mandatory recall under the section 19(b) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), or a voluntary recall by a registrant of a pesticide that is not in compliance with FIFRA;
 - (b) Stocks of other unused pesticide products that are collected and managed as part of a waste pesticide collection program.

Pesticides not subject to the prescribed recalls may have to be managed as hazardous waste when discarded. Farmers managing and disposing such pesticides in accordance with the hazardous waste exclusion in 40 CFR 262.70, and complying with prescribed disposal instructions, are not subject to the Universal Waste Rule. Recalled or unused pesticides are not considered waste until a decision to discard them has been made. However, they remain

subject to the requirements of FIFRA. Questions concerning the requirements or applicability of FIFRA to pesticide management should be directed to the Office of the Indiana State Chemist located at Purdue University, phone AC 765 / 494-1492.

- (3) Universal waste mercury thermostats - This category of universal waste is restricted to thermostats that contain mercury, or the mercury-containing ampules removed from such thermostats. It does not include other mercury-containing items such as thermometers, switches, gauges, relays, etc. The Rule allows for the management of this waste either as intact thermostats, or as removed mercury-containing ampules when specified measures to prevent environmental release of mercury are followed.
- (4) Universal waste lamps - This category, added to the Federal Rule at 40 CFR 273 on July 6, 1999, has been adopted in the Indiana Universal Waste Rule to replace the category universal waste mercury-containing lamps previously in the Indiana rule. The universal waste lamp category is slightly broader in that it includes lamps that are hazardous for any characteristic, not just for mercury. However, fluorescent light bulbs remain the most common item in this category of universal waste. This category does not include associated light fixture components such as ballasts. Hazardous waste lamps become subject to this rule if they are hazardous waste under 40 CFR 261, and when they are permanently removed from a fixture or determined to be discarded.

A note about crushing: In adopting the Federal category of universal waste lamps, the Indiana rule has added a prohibition against intentionally breaking or crushing waste lamps that are managed under the reduced requirements of the Universal Waste Rule. This is a consequence of the interpretation that crushing of hazardous waste bulbs is treatment, which is explicitly prohibited under the Universal Waste Rule (40 CFR 273.11(b) and 273.31(b)). The only circumstance where hazardous waste lamps may be allowed to be crushed is when they are managed as fully regulated hazardous waste (rather than as universal waste) which is treated (i.e., crushed) in tanks or containers by the generator of the waste under the implied generator treatment allowance in 40 CFR 262.34, and in conformance with all applicable hazardous waste management standards.

Any materials resulting from the release or clean-up of spills or breakage of any universal waste is not itself universal waste. It must be determined whether or not such materials are a hazardous waste as identified in 40 CFR 261, and the material must then be managed and disposed in accordance with applicable hazardous or solid waste regulations.

Does the Universal Waste Rule Apply to Me?

This rule is designed to allow for reduced regulatory requirements for the management of the specified wastes that otherwise would have to be managed under the full applicable RCRA hazardous waste management standards. Hence, certain materials that are not originally subject to RCRA do not need to be managed as universal wastes, including:

- ▶ materials that are not yet wastes by definition in the hazardous waste rules, including materials not yet permanently removed from service, or for which a decision to discard has not yet been made;
- ▶ wastes that are not characteristic or listed hazardous wastes as identified in 40 CFR 261;
- ▶ wastes generated by households, which are exempt from hazardous waste regulation under 40 CFR 261.4(b)(1);
- ▶ wastes generated by conditionally exempt small quantity hazardous waste generators that qualify for exemption under 40 CFR 261.5.

Persons generating or managing only household or conditionally exempt small quantity generator wastes from the four categories described above may, at their option, manage these wastes as universal wastes. However, when such exempt wastes are commingled with universal wastes that are subject to this rule, such as might occur at a universal waste drop-off point provided as a customer service in a retail establishment or in a public or commercial collection program, the commingled waste must be managed in accordance with the Universal Waste Rule.

Wastes managed as universal wastes in accordance with this rule do not have to be counted toward the total amount of hazardous waste generated for purposes of determining hazardous waste generator status (40 CFR 261.5(c)(6)).

Those who manage universal waste that is subject to this rule must comply with certain management standards that depending their status as defined below.

- (1) Small Quantity Handler Anyone who accumulates less than 5,000 kilograms, or about 11,000 pounds, of universal waste at any time;
- (2) Large Quantity Handler Anyone who accumulates 5,000 kilograms or more (about 11,000 pounds or more) of universal waste at a time;
- (3) Universal Waste Transporter, regardless of quantity; and
- (4) Destination Facility A treatment/storage/disposal facility subject to TSDF requirements in 40 CFR 264 or 265, or a recycler not engaged in storage who is subject to 40 CFR 261.6(c)(2).

In general, most management standards for Small Quantity Handlers and for Large Quantity Handlers are identical, except in regard to EPA notification requirements (small quantity handlers are not required to notify), employee training, and waste tracking or record keeping (not required for small quantity handlers). Universal waste transporters and destination facilities must comply with requirements (such as DOT regulations or TSDF standards, respectively) that are applicable to their activities. The specific management requirements for these four universal waste management categories are summarized on the following page. For more information, contact IDEM's Office of Land Quality at 317/308-3103, or the IDEM toll-free number 1-800/451-6027

STANDARDS FOR UNIVERSAL WASTE MANAGEMENT

40 CFR 273, amended by 329 IAC 3.1-16

	SMALL QUANTITY HANDLER accumulate <5,000 kg, or 11,000 lbs, at any time (40 CFR 273, Subpart B)	LARGE QUANTITY HANDLER accumulate 5,000 kg <u>or more</u> at any time (40 CFR 273, Subpart C)
Prohibitions	disposing, diluting, and treating universal waste prohibited (same for both Small and Large Quantity handlers, 40 CFR 273.11 and 273.31)	
Notification	not required (40 CFR 273.12)	EPA notification & ID number required (40 CFR 273.32)
Waste Management	(waste management standards are the same for both Small and Large Quantity handlers) <u>batteries</u> : contain leakers / maintain containers closed & in good condition / allowances for management of intact batteries / manage electrolyte & wastes from battery management according to applicable hazardous or solid waste rules (40 CFR 273.13(a) & 273.33(a)) <u>pesticides</u> : prevent leakage & release / maintain containers or transport vessels closed & in good condition / tank storage meeting specified 40 CFR 265, Subpart J, standards (40 CFR 273.13(b) & 273.33(b)) <u>thermostats</u> : contain leakers / maintain containers closed & in good condition / allowances for removal of mercury-containing ampules with management restrictions / manage residues & wastes from ampule management according to applicable hazardous or solid waste rules (40 CFR 273.13(c) & 273.33(c)) <u>hazardous waste lamsp</u> : intentional crushing or breakage is prohibited (329 IAC 3.1-16-2, amending 40 CFR 273.13(d) & 273.33(d)) / contain lamsp in sound, closed containers to prevent breakage / immediately clean up broken lamps and contain in sound, closed containers that prevent contaminant release (40 CFR 273.13(d) & 273.33(d))	
Labeling / Marking	(labeling/marking requirements are the same for both Small and Large Quantity handlers) <u>batteries</u> : universal waste batteries, or the containers holding them, must be clearly marked with one of the following phrases: AUniversal Waste--Battery(ies)® or AWaste Battery(ies)® or AUsed Battery(ies)® or other words that accurately identify the universal waste batteries (40 CFR 273.14(a) & 273.34(a) amended by 329 IAC 3.1-16-2) <u>pesticides</u> : containers (or package units), tanks, transport vehicles or vessels holding: (1) <u>recalled universal waste pesticide</u> must be labeled & marked with both the original product label <u>and</u> the words AUniversal Waste--Pesticide(s)® or AWaste Pesticide(s)® (40 CFR 273.14(b) & 273.34(b)) (2) <u>unused pesticide products</u> must be labeled & marked the original product label <u>or</u> a label required by the Department of Transportation under 49 CFR 172 <u>or</u> a label designated by a recognized waste pesticide collection program, <u>and</u> the words AUniversal Waste--Pesticide(s)® or AWaste Pesticide(s)® (40 CFR 273.14(c) & 273.34(c)) <u>thermostats</u> : universal waste thermostats, or the containers holding them, must be clearly marked with one of the following phrases: AUniversal Waste--Mercury Thermostat(s)® or AWaste Mercury Thermostat(s)® or AUsed Mercury Thermostat(s)® or other words that accurately identify the universal waste thermostats (40 CFR 273.14(d) & 273.34(d) amended by 329 IAC 3.1-16-2) <u>lamps</u> : universal waste lamps, or the containers holding them, must be clearly marked with one of the following phrases: AUniversal Waste® or AWaste Lamps® or AUsed Lamps® or other words that accurately identify the universal waste lamps (40 CFR 273.14(e) & 273.34(e), amended by 329 IAC 3.1-16-2)	
Accumulation Time (Storage)	(accumulation time allowances are the same for both Small and Large Quantity handlers, 40 CFR 273.15 & 273.35) -- universal waste accumulation time allowed is limited to no more than a year from the time of generation or receipt from another universal waste handler; longer time may be allowed <u>solely</u> for accumulating quantities necessary to facilitate proper recovery, treatment, or disposal -- the universal waste handler must be able to demonstrate the length of time of accumulation, either by marking the wastes or containers with the earliest date of accumulation, or by inventory records showing earliest date of accumulation	

(table continued on reverse)

	SMALL QUANTITY HANDLER accumulate <5,000 kg, or 11,000 lbs, at any time (40 CFR 273, Subpart B)	LARGE QUANTITY HANDLER accumulate 5,000 kg <u>or more</u> at any time (40 CFR 273, Subpart C)
Employee Training	must Ainform® all employees who handle or are responsible for managing universal waste of proper handling and emergency procedures (40 CFR 273.16)	must Aensure that all employees are thoroughly familiar® with proper waste handling and emergency procedures (40 CFR 273.36)
Response to Releases	(release response obligations are the same for both Small and Large Quantity handlers, 40 CFR 273.17 & 273.37) -- all universal waste handlers must immediately contain all releases of universal wastes and associated residues -- hazardous waste determinations must be made on materials resulting from releases, and managed accordingly	
Off-site Shipments	(off-site shipment requirements are the same for both Small and Large Quantity handlers, 40 CFR 273.18 & 273.38) -- a universal waste handler is restricted to sending universal waste to another universal waste handler, a destination facility, or a foreign destination -- universal waste handlers doing their own shipping must comply with universal waste Transporter requirements -- universal wastes that are hazardous materials under 49 CFR 171 through 180 must comply with DOT shipping requirements (packaging, labeling, marking, placarding, and shipping papers) -- universal waste shipper must secure agreement from the receiving handler to receive shipment -- if a universal waste shipment is rejected, the originating handler must either take the waste back or select with the receiving handler an alternative destination facility -- the recipient of a universal waste shipment may reject all or part of the shipment, if it is either sent back to the originating handler or to an agreed upon alternative destination facility -- if a universal waste handler receives a shipment containing hazardous waste, they must notify the Regional EPA office, providing the name, address, and telephone number of the originator, and receive management instructions from EPA; non-hazardous waste that is not universal waste must be managed in accordance with applicable rules	
Tracking	<u>not</u> required to keep shipment records (40 CFR 273.19)	-- must keep a record (log, invoice, manifest, bill of lading, etc.) of each shipment of universal waste received or shipped off-site, including the following information: (1) name & address of shipment originator or destination (2) quantity & type of universal waste received or sent (3) date the shipment was received or sent -- these records must be retained for at least 3 years (40 CFR 273.39)
Exports	export requirements are the same for both Small and Large Quantity handlers, 40 CFR 273.20 & 273.40 comply with specified provisions of 40 CFR 262, Subpart E (Exports of Hazardous Waste)	

	UNIVERSAL WASTE TRANSPORTER (40 CFR 273, Subpart D)	DESTINATION FACILITIES (40 CFR 273, Subpart E)
Prohibitions	Same as for Small & Large Quantity handlers (40 CFR 273.51)	must comply with applicable RCRA TSDF (Treatment/Storage/Disposal Facility) requirements (40 CFR 264 & 265)
Waste Management	Comply with DOT regulations (49 CFR 171-180) <u>note</u> : universal waste is <u>not</u> considered hazardous waste under DOT, but <u>may</u> be regulated as hazardous material (40 CFR 273.52)	
Storage Limits	Restricted to <u>10 days or less</u> at a transfer facility (40 CFR 273.53)	
Response to Releases	similar to requirements for Small & Large Quantity handlers (40 CFR 273.54)	
Off-site Shipments	-- delivery restricted to another universal waste handler, a destination facility, or a foreign destination -- comply with DOT regulations (40 CFR 273.55)	-- shipment of universal waste restricted to another universal waste handler, another destination facility, or a foreign destination -- shipment rejection and receipt of hazardous waste protocol similar to Small & Large Quantity handlers (40 CFR 273.61)
Tracking	comply with DOT regulations	Similar to Large Quantity handler requirements (40 CFR 273.62)
Exports	requirements at 40 CFR 273.56	not applicable
Notification Labeling & Marking Employee Training	none specified in 40 CFR 273 comply with applicable DOT requirements	none specified in 40 CFR 273 comply with applicable RCRA TSDF requirements